

PORTLAND HARBOR RI/FS
REMEDIAL INVESTIGATION REPORT

APPENDIX B
DEQ SEPTEMBER 2010 MILESTONE REPORT
TABLE 1

DRAFT FINAL

June 12, 2015

Table 1: DEQ Milestone Report
Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

Note: Sites in this table are listed in order of their position alongside the Willamette River, or the "River Mile" associated with their location; the River Mile indicates distance from the Willamette River's confluence with the Columbia River.

Confirmed or suspected sources of contamination to the river								Source Control Evaluation (SCE)						Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)										
Site information					Project status																			
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
												Pathway determination	Pathway priority level	Site priority level										
Terminal 5	1686	1.5 E	15540, 15550, & 15560 N Lombard	Tom Gainer	IGA	NFA	02/19/09	Overland Transport/Sheet Flow	N/A	NA	N/A	N/A	none	Low	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA
Terminal 5	1686	1.5 E	15540, 15550, & 15560 N Lombard	Tom Gainer	IGA	NFA	02/19/09	Bank Erosion	N/A	NA	N/A	N/A	none		N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
Terminal 5	1686	1.5 E	15540, 15550, & 15560 N Lombard	Tom Gainer	IGA	NFA	02/19/09	Groundwater	Completed	NA		Insignificant pathway; no actions recommended	Low		SCE submitted to EPA 6/07 - EPA comments received 6/07									
Terminal 5	1686	1.5 E	15540, 15550, & 15560 N Lombard	Tom Gainer	IGA	NFA	02/19/09	Stormwater	Completed	NA		Insignificant pathway; no actions recommended	Low		SCE submitted to EPA 6/07 - EPA comments received 6/07									
Terminal 5	1686	1.5 E	15540, 15550, & 15560 N Lombard	Tom Gainer	IGA	NFA	02/19/09	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Terminal 5	1686	1.5 E	15540, 15550, & 15560 N Lombard	Tom Gainer	IGA	NFA	02/19/09	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oregon Steel Mills	141	2.2 E	14400 N Rivergate	Jennifer Sutter	PH Agr for RI/SCM (6/00)	RI	08/03/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	no pathway; berm prevents overland transport/sheet flow	None	High	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oregon Steel Mills	141	2.2 E	14400 N Rivergate	Jennifer Sutter	PH Agr for RI/SCM (6/00)	RI	08/03/10	Bank Erosion	Completed		SCE is part of June 06 Alternatives Evaluation	Pathway is complete	High		Deferred to Alternatives Evaluation	Original permit for shoreline action withdrawn based on Agency input. New permit with modified design to be submitted once additional shoreline sampling results evaluated.		Evaluating path forward considering EPA/Natural Resource Trustee comments						
Oregon Steel Mills	141	2.2 E	14400 N Rivergate	Jennifer Sutter	PH Agr for RI/SCM (6/00)	RI	08/03/10	Groundwater (UST & AST AOCs)	Completed			Insignificant pathway; no actions recommended	Low		SCE submitted to EPA 10/2004; no comments received		Soil removal completed at time of spill, prior to SCE					SCE submitted to EPA 10/2004; no comments received	Operation and Maintenance requirements	
Oregon Steel Mills	141	2.2 E	14400 N Rivergate	Jennifer Sutter	PH Agr for RI/SCM (6/00)	RI	08/03/10	Groundwater (other AOCs)	Ongoing	DEQ SCE memo for EPA in preperation	1st qtr 2011	Pathway is complete	Medium		Pending completion of SCE									
Oregon Steel Mills	141	2.2 E	14400 N Rivergate	Jennifer Sutter	PH Agr for RI/SCM (6/00)	RI	08/03/10	Stormwater	Completed			Pathway is complete	High		SCE is part of Alternatives Evaluation	alternative evaluation completed 2006	End of pipe treatment	EPA agreed with proposed approach 9/14/06	Full-scale pilot operating 10/07; end of pipe treatment expanded to central outfall Fall 2008; loading evaluation approved 2010 however, evaluating appropriate treatment chemical	pilot testing completed, loading evaluation approved 2010, evaluating treatment chemical				
Oregon Steel Mills	141	2.2 E	14400 N Rivergate	Jennifer Sutter	PH Agr for RI/SCM (6/00)	RI	08/03/10	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oregon Steel Mills	141	2.2 E	14400 N Rivergate	Jennifer Sutter	PH Agr for RI/SCM (6/00)	RI	08/03/10	Other - current NPDES permitted discharge	Completed	N/A	Addressed under NPDES permit	Pathway addressed via NPDES permit	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Esco Landfill Sauvie Island	4409	2.6	14444 NW Gillihan Loop	No PM Assigned	Industrial landfill disposal permit	Solid Waste Landfill Permit	08/20/08	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	Low		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Esco Landfill Sauvie Island	4409	2.6	14444 NW Gillihan Loop	No PM Assigned	Industrial landfill disposal permit	Solid Waste Landfill Permit	08/20/08	Bank Erosion	N/A	N/A	N/A	N/A	none			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Esco Landfill Sauvie Island	4409	2.6	14444 NW Gillihan Loop	No PM Assigned	Industrial landfill disposal permit	Solid Waste Landfill Permit	08/20/08	Groundwater	N/A	N/A	N/A	N/A	none			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Esco Landfill Sauvie Island	4409	2.6	14444 NW Gillihan Loop	No PM Assigned	Industrial landfill disposal permit	Solid Waste Landfill Permit	08/20/08	Stormwater	N/A	N/A	N/A	N/A	none			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Esco Landfill Sauvie Island	4409	2.6	14444 NW Gillihan Loop	No PM Assigned	Industrial landfill disposal permit	Solid Waste Landfill Permit	08/20/08	Overwater Activities	N/A	N/A	N/A	N/A	none			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Esco Landfill Sauvie Island	4409	2.6	14444 NW Gillihan Loop	No PM Assigned	Industrial landfill disposal permit	Solid Waste Landfill Permit	08/20/08	Other	N/A	N/A	N/A	N/A	none			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Consolidated Metco	3295	2.8 E	3940 N Rivergate	Mike Romero	PH Letter Agr for XPA	XPA	06/30/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Consolidated Metco	3295	2.8 E	3940 N Rivergate	Mike Romero	PH Letter Agr for XPA	XPA	06/30/10	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Consolidated Metco	3295	2.8 E	3940 N Rivergate	Mike Romero	PH Letter Agr for XPA	XPA	06/30/10	Groundwater	Completed	None	N/A	Incomplete pathway	none		Anticipate providing SCE to EPA 2nd Qtr 2011									

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Site information				Project status																					
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements	
												Pathway determination	Pathway priority level	Site priority level											
Consolidated Metco	3295	2.8 E	3940 N Rivergate	Mike Romero	PH Letter Agr for XPA	XPA	06/30/10	Stormwater	Completed			Complete	Medium	Anticipate providing SCE to EPA 2nd Qtr 2011		Cleaned stormsewer lines, proposed line repair options and post SCM monitoring plan.		Stormwater system repair completed 2nd quarter 2010		Performance monitoring ongoing - anticipate providing EPA summary of remedy effectiveness 2nd Qtr 2011					
Consolidated Metco	3295	2.8 E	3940 N Rivergate	Mike Romero	PH Letter Agr for XPA	XPA	06/30/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Consolidated Metco	3295	2.8 E	3940 N Rivergate	Mike Romero	PH Letter Agr for XPA	XPA	06/30/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
PGE Harborton	2353	3.2 W	NW Marina Way	Matt McClincy	PH Agr for RI/SCM (6/00)	Completed SCD	03/06/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
PGE Harborton	2353	3.2 W	NW Marina Way	Matt McClincy	PH Agr for RI/SCM (6/00)	Completed SCD	03/06/06	Bank Erosion	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented 5/04		No SCM needed								
PGE Harborton	2353	3.2 W	NW Marina Way	Matt McClincy	PH Agr for RI/SCM (6/00)	Completed SCD	03/06/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented 5/04		No SCM needed								
PGE Harborton	2353	3.2 W	NW Marina Way	Matt McClincy	PH Agr for RI/SCM (6/00)	Completed SCD	03/06/06	Stormwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented 5/04		No SCM needed								
PGE Harborton	2353	3.2 W	NW Marina Way	Matt McClincy	PH Agr for RI/SCM (6/00)	Completed SCD	03/06/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
PGE Harborton	2353	3.2 W	NW Marina Way	Matt McClincy	PH Agr for RI/SCM (6/00)	Completed SCD	03/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Time Oil	170	3.4 E	10350 Time Oil Rd	Ken Thiessen	Pre-PH Agr. (9/96)	BRA	07/06/10	Overland Transport/Sheet Flow	Completed	None	First Quarter 2011	Incomplete pathway	none	Medium	SCE will be submitted to EPA when stormwater assessment is complete										
Time Oil	170	3.4 E	10350 Time Oil Rd	Ken Thiessen	Pre-PH Agr. (9/96)	BRA	07/06/10	Bank Erosion	Completed	None	First Quarter 2011	Insignificant pathway; no actions recommended	p Low		SCE will be submitted to EPA when stormwater assessment is complete										
Time Oil	170	3.4 E	10350 Time Oil Rd	Ken Thiessen	Pre-PH Agr. (9/96)	BRA	07/06/10	Groundwater (Main Tank Farm Petroleum Plume)	Completed	None	First Quarter 2011	Pathway is complete. GW Monitoring ongoing	Medium		SCE will be submitted to EPA when stormwater assessment is complete	Work plan for soil removal in tank farm area in review	Impacted source area soil to be removed								
Time Oil	170	3.4 E	10350 Time Oil Rd	Ken Thiessen	Pre-PH Agr. (9/96)	BRA	07/06/10	Groundwater (Bell Terminal Petroleum Plume)	Completed	None	First Quarter 2011	Pathway is incomplete. GW Monitoring ongoing	p Low		SCE will be submitted to EPA when stormwater assessment is complete										
Time Oil	170	3.4 E	10350 Time Oil Rd	Ken Thiessen	Pre-PH Agr. (9/96)	BRA	07/06/10	Groundwater (Penta Plume)	Completed			SCMs retard penta migration and prevent penta discharge to private stormwater outfall	Medium		SCE submitted to EPA.	alternatives evaluation completed 2004	Source area pump & treat; insitu chemical oxidation (ISCO); gw to sw intercept pump & treat, plans for additional source area soil removal in development	SCD for SCM selection submitted to EPA May 2004; partners responded with questions	Ongoing pump & treat provides containment; 4 rounds of ISCO conducted through Spring '07	Over 45 million gallons of groundwater pumped and treated, ISCO has treated groundwater insitu (no estimate of volume)	Ongoing groundwater pump & treat; evaluation of ISCO effectiveness TBD - bioremediation methods being tested		Ongoing maintenance and monitoring of pump & treat system		
Time Oil	170	3.4 E	10350 Time Oil Rd	Ken Thiessen	Pre-PH Agr. (9/96)	BRA	07/06/10	Stormwater	Ongoing	Complete stormwater characterization	4th Quarter 2010	Pathway is complete	p Low		Waiting on SCE phase to be completed										
Time Oil	170	3.4 E	10350 Time Oil Rd	Ken Thiessen	Pre-PH Agr. (9/96)	BRA	07/06/10	Overwater Activities	N/A	N/A	N/A	No known current sources (no spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Time Oil	170	3.4 E	10350 Time Oil Rd	Ken Thiessen	Pre-PH Agr. (9/96)	BRA	07/06/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
City of Portland Outfalls	various	3.5 to 9.2	various	Karen Tarnow	IGA for RI SCM (8/03)	RI	08/05/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
City of Portland Outfalls	various	3.5 to 9.2	various	Karen Tarnow	IGA for RI SCM (8/03)	RI	08/05/10	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
City of Portland Outfalls	various	3.5 to 9.2	various	Karen Tarnow	IGA for RI SCM (8/03)	RI	08/05/10	Groundwater	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

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Confirmed or suspected sources of contamination to the river								Source Control Evaluation (SCE)							Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)									
Site information					Project status										Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)									
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
												Pathway determination	Pathway priority level	Site priority level										
City of Portland Outfalls	various	3.5 to 9.2	various	Karen Tarnow	IGA for RI SCM (8/03)	RI	08/05/10	Stormwater	Ongoing	Complete outfall basin characterizations, site-specific investigations and source control.	Ongoing (corresponding to Portland Harbor ROD)	Pathway is complete; priority varies from basin to basin	to be determined	to be determined	Waiting on SCE to be completed.		Final SCM TBD. Ongoing SW inspections, investigations of illicit discharges, identification of potential contributors to City system. Site-specific catch basin cleanouts, line cleaning, and implementation of BMPs							
City of Portland Outfalls	various	3.5 to 9.2	various	Karen Tarnow	IGA for RI SCM (8/03)	RI	08/05/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
City of Portland Outfalls	various	3.5 to 9.2	various	Karen Tarnow	IGA for RI SCM (8/03)	RI	08/05/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Georgia Pacific Linnton	2370	3.5 W	12222 NW Marina	Tom Gainer	PH Letter Agr for XPA (10/99)	XPA	06/12/06	Overland Transport/Sheet Flow	Completed			Insignificant pathway; no actions recommended	Low	Low	EPA reviewed in 2000 and did not provide comments		No SCM needed							
Georgia Pacific Linnton	2370	3.5 W	12222 NW Marina	Tom Gainer	PH Letter Agr for XPA (10/99)	XPA	06/12/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Georgia Pacific Linnton	2370	3.5 W	12222 NW Marina	Tom Gainer	PH Letter Agr for XPA (10/99)	XPA	06/12/06	Groundwater	Completed	10/2001 DEQ concluded not a current source. 5/2002 DEQ requested additional groundwater work based on new PH strategies. 8/2002 GP declined. DEQ considers groundwater pathway not fully characterized, but not a high priority.		Low	EPA reviewed in 2000 and did not provide comments		NA	No SCM needed	NA	NA	NA	NA	NA	NA	NA	N/A
Georgia Pacific Linnton	2370	3.5 W	12222 NW Marina	Tom Gainer	PH Letter Agr for XPA (10/99)	XPA	06/12/06	Stormwater	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Georgia Pacific Linnton	2370	3.5 W	12222 NW Marina	Tom Gainer	PH Letter Agr for XPA (10/99)	XPA	06/12/06	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Georgia Pacific Linnton	2370	3.5 W	12222 NW Marina	Tom Gainer	PH Letter Agr for XPA (10/99)	XPA	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ACF Industries	794	3.6 W	12160 NW St Helens	Dan Hafley	Unilateral Order (8/00)	NFA	11/28/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ACF Industries	794	3.6 W	12160 NW St Helens	Dan Hafley	Unilateral Order (8/00)	NFA	11/28/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ACF Industries	794	3.6 W	12160 NW St Helens	Dan Hafley	Unilateral Order (8/00)	NFA	11/28/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		SCE submitted to EPA (10/04); no comments		No SCM needed						SCM submitted to EPA (10/04). No comments.	
ACF Industries	794	3.6 W	12160 NW St Helens	Dan Hafley	Unilateral Order (8/00)	NFA	11/28/06	Stormwater	Completed			Currently insignificant pathway; stormwater pipe suspected past migration pathway	Low		SCE submitted to EPA (10/04); no comments	Completed FS proposes removal of contaminated off-site soil potentially available for transport to river.	SCM submitted to EPA (10/04). No comments	6,400 tons of contaminated soil removed in 2006 and site capped with 1.5 feet of clean fill in 2007					SCM submitted to EPA (10/04). No comments.	
ACF Industries	794	3.6 W	12160 NW St Helens	Dan Hafley	Unilateral Order (8/00)	NFA	11/28/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ACF Industries	794	3.6 W	12160 NW St Helens	Dan Hafley	Unilateral Order (8/00)	NFA	11/28/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Linnton Oil Fire Training Grounds	1189	3.6 W	NW Marina Way	Tom Gainer	IGA	NFA	03/02/06	Overland Transport/Sheet Flow	Completed			Insignificant pathway; no actions recommended	Low	Low	Complete									
Linnton Oil Fire Training Grounds	1189	3.6 W	NW Marina Way	Tom Gainer	IGA	NFA	03/02/06	Bank Erosion	Completed			Insignificant pathway; no actions recommended	Low		Complete									
Linnton Oil Fire Training Grounds	1189	3.6 W	NW Marina Way	Tom Gainer	IGA	NFA	03/02/06	Groundwater	Completed			Currently no complete pathway; groundwater monitoring to confirm plume stability	Low		Complete									Annual groundwater monitoring (conditional NFA)

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Linnton Oil Fire Training Grounds	1189	3.6 W	NW Marina Way	Tom Gainer	IGA	NFA	03/02/06	Stormwater	Completed			Insignificant pathway; no actions recommended	Low	Low	Complete									
Linnton Oil Fire Training Grounds	1189	3.6 W	NW Marina Way	Tom Gainer	IGA	N/A	03/02/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Linnton Oil Fire Training Grounds	1189	3.6 W	NW Marina Way	Tom Gainer	IGA	N/A	03/02/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Premier Edible Oils	2013	3.6 E	10400 N Burgard	Ken Thiessen	PH Agr for RI/SCM (7/01)	RI	07/06/10	Overland Transport/Sheet Flow	Ongoing	To be evaluated as part of stormwater evaluation	Estimated Fourth Quarter 2011	Pending	p Low	High										
Premier Edible Oils	2013	3.6 E	10400 N Burgard	Ken Thiessen	PH Agr for RI/SCM (7/01)	RI	07/06/10	Bank Erosion	Ongoing	Additional sampling needed	Estimated Fourth Quarter 2011	Pending	p Low											
Premier Edible Oils	2013	3.6 E	10400 N Burgard	Ken Thiessen	PH Agr for RI/SCM (7/01)	RI/SCE	07/06/10	Stormwater	Ongoing	Complete stormwater system characterization	Estimated Fourth Quarter 2011	Pending	p Low			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Premier Edible Oils	2013	3.6 E	10400 N Burgard	Ken Thiessen	PH Agr for RI/SCM (7/01)	RI/SCE	07/06/10	Overwater Activities	Ongoing	N/A	N/A	NA	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Premier Edible Oils	2013	3.6 E	10400 N Burgard	Ken Thiessen	PH Agr for RI/SCM (7/01)	RI/SCE	07/06/10	Groundwater and LNAPL to surface water at site shoreline	Completed	None	N/A adequate documentation exists	Complete	High			SCM Evaluation (FFS) in preparation								
RoMar Realty of Oregon	2437	3.6 E	9333 N Time Oil	Tom Gainer	PH Ltr Agr for XPA	NFA	06/12/06	Overland Transport/Sheet Flow	Completed			Insignificant pathway; no actions recommended	Low	Low	SCE submitted to EPA (3/06); DEQ responds 4/06									
RoMar Realty of Oregon	2437	3.6 E	9333 N Time Oil	Tom Gainer	PH Ltr Agr for XPA	NFA	06/12/06	Bank Erosion	Completed			Insignificant pathway; no actions recommended	Low		N/A									
RoMar Realty of Oregon	2437	3.6 E	9333 N Time Oil	Tom Gainer	PH Ltr Agr for XPA	NFA	06/12/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		SCE submitted to EPA (3/06); DEQ responds 4/06									
RoMar Realty of Oregon	2437	3.6 E	9333 N Time Oil	Tom Gainer	PH Ltr Agr for XPA	NFA	06/12/06	Stormwater	Completed			Insignificant pathway; no actions recommended	Low		SCE submitted to EPA (3/06); DEQ responds 4/06									
RoMar Realty of Oregon	2437	3.6 E	9333 N Time Oil	Tom Gainer	PH Ltr Agr for XPA	NFA	06/12/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RoMar Realty of Oregon	2437	3.6 E	9333 N Time Oil	Tom Gainer	PH Ltr Agr for XPA	NFA	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Jefferson Smurfit	2371	3.7 E	9930 N Burgard	Matt McClincy	PH Letter Agr for XPA (12/00)	XPA	03/06/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Jefferson Smurfit	2371	3.7 E	9930 N Burgard	Matt McClincy	PH Letter Agr for XPA (12/00)	XPA	03/06/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Jefferson Smurfit	2371	3.7 E	9930 N Burgard	Matt McClincy	PH Letter Agr for XPA (12/00)	XPA	03/06/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		EPA Reviewed and commented 10/20/02		No SCM needed							
Jefferson Smurfit	2371	3.7 E	9930 N Burgard	Matt McClincy	PH Letter Agr for XPA (12/00)	XPA	03/06/06	Stormwater	Completed			Insignificant pathway; no actions recommended	Low		EPA Reviewed and commented 10/20/02		No SCM needed							
Jefferson Smurfit	2371	3.7 E	9930 N Burgard	Matt McClincy	PH Letter Agr for XPA (12/00)	XPA	03/06/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Jefferson Smurfit	2371	3.7 E	9930 N Burgard	Matt McClincy	PH Letter Agr for XPA (12/00)	XPA	03/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Owens-Corning Fiberglass (Trumbull Asp)	1036	3.8 W	11444 NW St Helens	Shawn Rapp	PH Letter Agr for XPA (12/99)	XPA	07/01/10	Overland Transport/Sheet Flow	Ongoing	Review draft SCE	4th Qtr 2010	Insignificant pathway; no actions recommended	p Low	P Low	Pending completion o f SCE									
Owens-Corning Fiberglass (Trumbull Asp)	1036	3.8 W	11444 NW St Helens	Shawn Rapp	PH Letter Agr for XPA (12/99)	XPA	07/01/10	Bank Erosion	Ongoing	Review draft SCE	4th Qtr 2010	Insignificant pathway; no actions recommended	p Low		Pending completion o f SCE									
Owens-Corning Fiberglass (Trumbull Asp)	1036	3.8 W	11444 NW St Helens	Shawn Rapp	PH Letter Agr for XPA (12/99)	XPA	07/01/10	Groundwater	Ongoing	Review draft SCE	4th Qtr 2010	Insignificant pathway; no actions recommended	p Low		Pending completion o f SCE									
Owens-Corning Fiberglass (Trumbull Asp)	1036	3.8 W	11444 NW St Helens	Shawn Rapp	PH Letter Agr for XPA (12/99)	XPA	07/01/10	Stormwater	Ongoing	Review draft SCE	4th Qtr 2010	Waiting on SCE to be completed	p Low		Pending completion o f SCE									
Owens-Corning Fiberglass (Trumbull Asp)	1036	3.8 W	11444 NW St Helens	Shawn Rapp	PH Letter Agr for XPA (12/99)	XPA	07/01/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

Confirmed or suspected sources of contamination to the river								Source Control Evaluation (SCE)							Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)										
Site information					Project status																				
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements	
												Pathway determination	Pathway priority level	Site priority level											
Owens-Corning Fiberglass (Trumbull Asp)	1036	3.8 W	11444 NW St Helens	Shawn Rapp	PH Letter Agr for XPA (12/99)	XPA	07/01/10	Other	N/A	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Schnitzer Burgard Industrial Park	5324	3.8 E	12005 N Burgard	Jim Orr	PH Agr for RI/SCM (3/00)	RI	07/29/10	Overland Transport/Sheet Flow	Ongoing	Investigation scope of work under review	TBD	Waiting on SCE to be completed	p High	pHigh	Waiting on SCE completion										
Schnitzer Burgard Industrial Park	5324	3.8 E	12005 N Burgard	Jim Orr	PH Agr for RI/SCM (3/00)	RI	07/29/10	Bank Erosion	Ongoing	Additional sampling needed	TBD	Waiting on SCE to be completed	p Med		Waiting on SCE completion										
Schnitzer Burgard Industrial Park	5324	3.8 E	12005 N Burgard	Jim Orr	PH Agr for RI/SCM (3/00)	RI	07/29/10	Groundwater	Ongoing	Additional groundwater characterization	TBD	Waiting on SCE to be completed	p Med		Waiting on SCE completion										
Schnitzer Burgard Industrial Park	5324	3.8 E	12005 N Burgard	Jim Orr	PH Agr for RI/SCM (3/00)	RI	07/29/10	Stormwater	Ongoing	Additional stormwater characterization	TBD	Waiting on SCE to be completed	p High		Waiting on SCE completion										
Schnitzer Burgard Industrial Park	5324	3.8 E	12005 N Burgard	Jim Orr	PH Agr for RI/SCM (3/00)	RI	07/29/10	Overwater Activities	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Schnitzer Burgard Industrial Park	5324	3.8 E	12005 N Burgard	Jim Orr	PH Agr for RI/SCM (3/00)	RI	07/29/10	Other	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
NW Pipe	138	3.9 E	12005 N Burgard	Jim Orr	PH Agr for RI/SCM (2/05)	RI	07/29/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	N/A	p Med	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
NW Pipe	138	3.9 E	12005 N Burgard	Jim Orr	PH Agr for RI/SCM (2/05)	RI	07/29/10	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
NW Pipe	138	3.9 E	12005 N Burgard	Jim Orr	PH Agr for RI/SCM (2/05)	RI	07/29/10	Groundwater	Ongoing	SCE report in revision	4th Quarter 2011	Not believed to be a complete pathway	none		Waiting on SCE to be completed										
NW Pipe	138	3.9 E	12005 N Burgard	Jim Orr	PH Agr for RI/SCM (2/05)	RI	07/29/10	Stormwater	Ongoing	SCE report in revision	4th Quarter 2011	SW suspected migration pathway	p Med		Waiting on SCE to be completed										
NW Pipe	138	3.9 E	12005 N Burgard	Jim Orr	PH Agr for RI/SCM (2/05)	RI	07/29/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
NW Pipe	138	3.9 E	12005 N Burgard	Jim Orr	PH Agr for RI/SCM (2/05)	RI	07/29/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Schnitzer Steel	2355	4.0 E	12005 N Burgard	Jim Orr	PH Agr for RI/SCM (3/00)	RI	07/29/10	Overland Transport/Sheet Flow	Ongoing	Additional sampling needed	4th Quarter 2011	Waiting on SCE to be completed	p High	p High	Waiting on SCE to be completed				Asphalt berm constructed in summer 2009 along 925 feet of landward edge of Schnitzer dock to help prevent overland runoff to slip						
Schnitzer Steel	2355	4.0 E	12005 N Burgard	Jim Orr	PH Agr for RI/SCM (3/00)	RI	07/29/10	Bank Erosion	Ongoing	Additional sampling needed	4th Quarter 2011	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed										
Schnitzer Steel	2355	4.0 E	12005 N Burgard	Jim Orr	PH Agr for RI/SCM (3/00)	RI	07/29/10	Groundwater	Ongoing	ongoing monitoring	4th Quarter 2011	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed										
Schnitzer Steel	2355	4.0 E	12005 N Burgard	Jim Orr	PH Agr for RI/SCM (3/00)	RI	07/29/10	Stormwater	Ongoing	Ongoing monitoring - and engineering improvements including stormwater filtration and storage	4th Quarter 2011	Complete	p High		Waiting on SCE to be completed		Signicant stormwater system upgrades in progress								
Schnitzer Steel	2355	4.0 E	12005 N Burgard	Jim Orr	PH Agr for RI/SCM (3/00)	RI	07/29/10	Overwater Activities	Not Started	To be determined	4th Quarter 2011	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed										
Schnitzer Steel	2355	4.0 E	12005 N Burgard	Jim Orr	PH Agr for RI/SCM (3/00)	RI	07/29/10	Air Deposition	Not Started	To be determined	4th Quarter 2011	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed										
Kinder Morgan (Aka GATX)	1096	4.2 W	11400 NW St Helens	Mike Romero	PH Agr for RI/CSM (3/00)	RI	06/30/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Kinder Morgan (Aka GATX)	1096	4.2 W	11400 NW St Helens	Mike Romero	PH Agr for RI/SCM (6/00)	RI	06/30/10	Bank Erosion	Ongoing	To be determined	1st qtr 2011	Physical evalution of bank, sampling if possible 4th quarter 2010	to be determined		Waiting on SCE to be complete										

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Confirmed or suspected sources of contamination to the river								Source Control Evaluation (SCE)							Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)										
Site information					Project status																				
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements	
												Pathway determination	Pathway priority level	Site priority level											
Kinder Morgan (Aka GATX)	1096	4.2 W	11400 NW St Helens	Mike Romero	PH Agr for RI/SCM (6/00)	RI	06/30/10	Groundwater	Ongoing	RP will conduct IRAM effectiveness evaluation and FFS for barrier wall installation	1st qtr 2011	LNAPL seeps on shoreline and dissolved petroleum likely discharging to river	p High	p High	Waiting on SCE to be complete		Interim LNAPL removal and groundwater pump and treat system in operation, FFS for barrier wall is in development phase								
Kinder Morgan (Aka GATX)	1096	4.2 W	11400 NW St Helens	Mike Romero	PH Agr for RI/SCM (6/00)	RI	06/30/10	Stormwater	Ongoing	Stormwater SCE received, DEQ review and approval need.	3rd Qtr 2010	to be determined	to be determined		Waiting on SCE to be complete										
Kinder Morgan (Aka GATX)	1096	4.2 W	11400 NW St Helens	Mike Romero	PH Agr for RI/SCM (6/00)	RI	06/30/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Kinder Morgan (Aka GATX)	1096	4.2 W	11400 NW St Helens	Mike Romero	PH Agr for RI/SCM (6/00)	RI	06/30/10	NPDES Permit for groundwater treatment discharge	Ongoing	GW treatment system & oil/water separator on NPDES - Evaluate existing data set	3rd qtr 2010	Waiting on SCE to be completed	p Low		Waiting on SCE to be complete										
Terminal 4 Slip 1	2356	4.3 E	11040 N Lombard	Tom Gainer	PH Agr for RI/SCE	RI	08/02/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	p Med	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Terminal 4 Slip 1	2356	4.3 E	11040 N Lombard	Tom Gainer	PH Agr for RI/SCE	RI	08/02/10	Bank Erosion	Completed	SCM necessary; coordinate with T4 Early Action schedule	Tied to T4 Early Action schedule	Pathway is complete	Low		Tied to T4 Early Action schedule	Part of T-4 Early Action Process	Cap	Selected SCMs	Wheeler Bay SCMs 10-08	Completion report submitted 9-09	Wheeler Bay bank regraded and capped fall 2008	10-08	EPA reviewed and commented.	periodic inspection and maintenance	
Terminal 4 Slip 1	2356	4.3 E	11040 N Lombard	Tom Gainer	PH Agr for RI/SCE	RI	08/02/10	Groundwater	Completed	None	N/A	Preliminary determination that pathway is insignificant	p Low		Waiting on results of stormwater remedy effectiveness monitoring										
Terminal 4 Slip 1	2356	4.3 E	11040 N Lombard	Tom Gainer	PH Agr for RI/SCE	RI	08/02/10	Stormwater	Completed	None	N/A	Complete	p Med		Waiting on results of stormwater remedy effectiveness monitoring			Stormwater BMPs and line cleanout implmented - effectiveness monitoring ongoing							
Terminal 4 Slip 1	2356	4.3 E	11040 N Lombard	Tom Gainer	PH Agr for RI/SCE	RI	08/02/10	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Terminal 4 Slip 1	2356	4.3 E	11040 N Lombard	Tom Gainer	PH Agr for RI/SCE	RI	08/02/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Linnton Plywood	2373	4.6 W	10504 NW St Helens	Matt McClincy	PH Letter Agr for XPA (3/01)	NFA	03/13/06	Overland Transport/Sheet Flow	Completed			SCM addressed this potentially complete pathway	Low	Low	EPA reviewed and commented		Independent removal of two small upland source areas and offsite disposal in 2002 and 2003	Received review 8/29/03				Received review 8/29/03			
Linnton Plywood	2373	4.6 W	10504 NW St Helens	Matt McClincy	PH Letter Agr for XPA (3/01)	NFA	03/13/06	Bank Erosion	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented		No SCM needed	Received review 8/29/03				Received review 8/29/03			
Linnton Plywood	2373	4.6 W	10504 NW St Helens	Matt McClincy	PH Letter Agr for XPA (3/01)	NFA	03/13/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented		No SCM needed	Received review 8/29/03				Received review 8/29/03			
Linnton Plywood	2373	4.6 W	10504 NW St Helens	Matt McClincy	PH Letter Agr for XPA (3/01)	NFA	03/13/06	Stormwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented		Ongoing Stormwater BMPs and monitoring	Received review 8/29/03				Received review 8/29/03			
Linnton Plywood	2373	4.6 W	10504 NW St Helens	Matt McClincy	PH Letter Agr for XPA (3/01)	NFA	03/13/06	Overwater Activities	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented		No SCM needed	Received review 8/29/03				Received review 8/29/03			
Linnton Plywood	2373	4.6 W	10504 NW St Helens	Matt McClincy	PH Letter Agr for XPA (3/01)	NFA	03/13/06	Other	N/A	N/A	N/A	N/A	none		N/A		N/A					N/A			
Terminal 4 Slip 3	272	4.6 E	10400 Lombard	Tom Gainer	Judgment for RD/RA (4/04)	RD/RA	08/02/10	Overland Transport/Sheet Flow	N/A	N/A - see Bank Erosion and Stormwater pathways	N/A	N/A	none	Medium	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Terminal 4 Slip 3	272	4.6 E	10400 Lombard	Tom Gainer	Judgment for RD/RA (4/04)	RD/RA	08/02/10	Bank Erosion	Completed			Pencil pitch observed and PAHs detected in river bank soils above PECs	Medium		Spring 2009		Excavation and capping	Spring 2009		Excavation and capping at 1 of 3 areas (fall 2009); remaining 2 areas to be implemented with Phase II Early Action	1 of 3 areas completed 2009				
Terminal 4 Slip 3	272	4.6 E	10400 Lombard	Tom Gainer	Judgment for RD/RA (4/04)	RD/RA	08/02/10	Groundwater	Completed			Complete pathway - remedy recommended and implemented	Medium		EPA reviewed and commented, 2/2003		Bank excavation and backfill remedial action, NAPL recovery, monitoring	EPA reviewed and commented, 2/2003	Bank excavation and backfill remedial action (BEBRA) 11/04	2,700 cubic yards of contaminated soil removed; 30.2 gallons NAPL recovered to date	NAPL recovery and monitoring ongoing				
Terminal 4 Slip 3	272	4.6 E	10400 Lombard	Tom Gainer	Judgment for RD/RA (4/04)	RD/RA	08/02/10	Stormwater	Ongoing	Stormwater sampling ongoing	4th Quarter 2011	Complete pathway; BMPs in place	p Med		Waiting on SCE to be completed										
Terminal 4 Slip 3	272	4.6 E	10400 Lombard	Tom Gainer	Judgment for RD/RA (4/04)	RD/RA	08/02/10	Overwater Activities	N/A	N/A - Historic releases to be addressed by the in-water T4 Early Action	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Terminal 4 Slip 3	272	4.6 E	10400 Lombard	Tom Gainer	Judgment for RD/RA (4/04)	RD/RA	08/02/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
UPRR St Johns Tank Farm	2017	4.6 E	6908 N Roberts	Jim Anderson	Pre-PH VCP Letter Agr	NFA	03/07/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
UPRR St Johns Tank Farm	2017	4.6 E	6908 N Roberts	Jim Anderson	Pre-PH VCP Letter Agr	NFA	03/07/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

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Site information					Project status																			
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												Pathway determination	Pathway priority level	Site priority level										
UPRR St Johns Tank Farm	2017	4.6 E	6908 N Roberts	Jim Anderson	Pre-PH VCP Letter Agr	NFA	03/07/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low	Low	SCE submitted to EPA April 2004, no comments received		No SCM needed							
UPRR St Johns Tank Farm	2017	4.6 E	6908 N Roberts	Jim Anderson	Pre-PH VCP Letter Agr	NFA	03/07/06	Stormwater	Completed			Insignificant pathway; no actions recommended	Low		SCE submitted to EPA April 2004, no comments received		No SCM needed							
UPRR St Johns Tank Farm	2017	4.6 E	6908 N Roberts	Jim Anderson	Pre-PH VCP Letter Agr	NFA	03/07/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UPRR St Johns Tank Farm	2017	4.6 E	6908 N Roberts	Jim Anderson	Pre-PH VCP Letter Agr	NFA	03/07/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BP Terminal 22T (ARCO)	1528	4.8W	9930 NW St Helens	Tom Gainer	PH Agr for RI/SCM (6/00)	RI	08/02/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	High	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BP Terminal 22T (ARCO)	1528	4.8W	9930 NW St Helens	Tom Gainer	PH Agr for RI/SCM (6/00)	RI	08/02/10	Bank Erosion	N/A	No Bank -concrete sea wall	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BP Terminal 22T (ARCO)	1528	4.8W	9930 NW St Helens	Tom Gainer	PH Agr for RI/SCM (6/00)	RI	08/02/10	Groundwater	Completed			Free product & dissolved phase potentially reaching river	High		EPA reviewed and commented 2007	alternatives evaluation completed 3/2007 for on site GW	New sheetpile barrier wall with hydraulic control and GW pump & treat system	EPA reviewed 3/2007	Hydraulic Control system installed 1/2005, new sheetpile seawall 11/2007	700 linear feet of plume controlled at riverbank	11/08		Recontamination evaluation due 4th quarter 2010	
BP Terminal 22T (ARCO)	1528	4.8W	9930 NW St Helens	Tom Gainer	PH Agr for RI/SCM (6/00)	RI	08/02/10	Stormwater	Ongoing	Sampling stormwater system	4th Quarter 2010	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed.									
BP Terminal 22T (ARCO)	1528	4.8W	9930 NW St Helens	Tom Gainer	PH Agr for RI/SCM (6/00)	RI	08/02/10	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BP Terminal 22T (ARCO)	1528	4.8W	9930 NW St Helens	Tom Gainer	PH Agr for RI/SCM (6/00)	RI	08/02/10	Near shore sediment	N/A	N/A	N/A	N/A	none		N/A	alternatives evalauation for near-shore sediment completed 3/07	Revetment and near-shore sediment removal and off-site disposal	EPA reviewed 3/07	Sediment removal complete 11/08	16,300 CY sediment	Final grading and planting summer 2009	11/08	TBD	Recontamination evaluation
Port of Portland Auto Storage Area (ASA)	172	5.0 E	10400 Lombard	Tom Gainer	Pre-PH DEQ/Port IGA (11/00)	NFA	03/06/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Port of Portland Auto Storage Area (ASA)	172	5.0 E	10400 Lombard	Tom Gainer	Pre-PH DEQ/Port IGA (11/00)	NFA	03/06/06	Bank Erosion	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented 6/04		No SCM needed							
Port of Portland Auto Storage Area (ASA)	172	5.0 E	10400 Lombard	Tom Gainer	Pre-PH DEQ/Port IGA (11/00)	NFA	03/06/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented 6/04		No SCM needed							
Port of Portland Auto Storage Area (ASA)	172	5.0 E	10400 Lombard	Tom Gainer	Pre-PH DEQ/Port IGA (11/00)	NFA	03/06/06	Stormwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented 6/04		No SCM needed							
Port of Portland Auto Storage Area (ASA)	172	5.0 E	10400 Lombard	Tom Gainer	Pre-PH DEQ/Port IGA (11/00)	NFA	03/06/06	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Port of Portland Auto Storage Area (ASA)	172	5.0 E	10400 Lombard	Tom Gainer	Pre-PH DEQ/Port IGA (11/00)	NFA	03/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Exxon Mobil	137	5.1 W	9420 NW St Helens	Tom Gainer	VCP Agr for Remedial Action (5/02)	RD/RA	08/02/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	High	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Exxon Mobil	137	5.1 W	9420 NW St Helens	Tom Gainer	VCP Agr for Remedial Action (5/02)	RD/RA	08/02/10	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Exxon Mobil	137	5.1 W	9420 NW St Helens	Tom Gainer	VCP Agr for Remedial Action (5/02)	RD/RA	08/02/10	Groundwater	Completed			Groundwater is a complete pathway	High		DEQ issued a ROD in 1997 requiring groundwater treatment	DEQ issued a ROD in 1997 requiring groundwater treatment	Operating air sparge & SVE system. Expansion of air sparge system (1/2005) - Additional GW hydraulic control planned for "hydraulic gap" area in 4th quarter 2010	Possibility only if remedy is shown not to be protective and alternative remedial action is proposed	Operating air sparge & SVE system. Expansion of air sparge system (1/2005)	Additional SCMs in hydraulic gap at downstream end of site planned for 4th quarter 2010			Sytem inspection , operation, and effectiveness monitoring onoinng	
Exxon Mobil	137	5.1 W	9420 NW St Helens	Tom Gainer	VCP Agr for Remedial Action (5/02)	RD/RA	08/02/10	Stormwater	Pending EPA Review	Current facility owner NuStar will conduct SCE for bulk plant, ExxonMobil will conduct SCE at their Lube Plant	2nd Quarter 2011	Waiting on SCE to be completed	to be determined											
Exxon Mobil	137	5.1 W	9420 NW St Helens	Tom Gainer	VCP Agr for Remedial Action (5/02)	RD/RA	08/02/10	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Exxon Mobil	137	5.1 W	9420 NW St Helens	Tom Gainer	VCP Agr for Remedial Action (5/02)	RD/RA	08/02/10	Other	Not Started	N/A	N/A	N/A	to be determined											

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Confirmed or suspected sources of contamination to the river							Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)										
Site information					Project status																				
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements	
												Pathway determination	Pathway priority level	Site priority level											
Olympic Pipeline Portland Facility within ExxonMobil	3342	5.2W	9420 NW St Helens	Tom Gainer	ICP	XPA	02/19/09	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	p Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Olympic Pipeline Portland Facility within ExxonMobil	3342	5.2W	9420 NW St Helens	Tom Gainer	ICP	XPA	08/02/10	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Olympic Pipeline Portland Facility within ExxonMobil	3342	5.2W	9420 NW St Helens	Tom Gainer	ICP	XPA	08/02/10	Groundwater	Completed			Insigificant pathway; no actions recommended	p Low		Waiting on SCE completion		Conducted soil removal following petroleum spill in mid 1990s								
Olympic Pipeline Portland Facility within ExxonMobil	3342	5.2W	9420 NW St Helens	Tom Gainer	ICP	XPA	08/02/10	Stormwater	Ongoing	Dependent upon groundwater conditions	4th Quarter 2011	Waiting on SCE to be completed	to be determined		Waiting on SCE completion										
Olympic Pipeline Portland Facility within ExxonMobil	3342	5.2W	9420 NW St Helens	Tom Gainer	ICP	XPA	08/02/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Olympic Pipeline Portland Facility within ExxonMobil	3342	5.2W	9420 NW St Helens	Tom Gainer	ICP	XPA	08/02/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Shore Terminals (aka NuStar and Valero was ECSI #1989)	5130	5.4W	9400 NW St Helens Rd	Jim Orr	VCP Agreement for Stormwater Assessment & Source Control	SCE	07/29/10	Overland Transport/Sheet Flow	Not Started	Source Control Evaluation Assessment SOW under review implementation fall 2010	2nd Quarter 2011	Pathway derermination	to be determined	p Med	Waiting on SCE completion March 2011										
Shore Terminals (aka NuStar and Valero was ECSI #1989)	5130	5.4W	9400 NW St Helens Rd	Jim Orr	VCP Agreement for Stormwater Assessment & Source Control	SCE	07/29/10	Bank Erosion	Not Started	Source Control Evaluation Assessment SOW under review	2nd Quarter 2011	Pathway is complete	p Med		Waiting on SCE completion March 2011										
Shore Terminals (aka NuStar and Valero was ECSI #1989)	5130	5.4W	9400 NW St Helens Rd	Jim Orr	VCP Agreement for Stormwater Assessment & Source Control	SCE	07/29/10	Groundwater	Not Started	Source Control Evaluation Assessment SOW under review	2nd Quarter 2011	Pathway is complete	p Med		Waiting on SCE completion March 2011										
Shore Terminals (aka NuStar and Valero was ECSI #1989)	5130	5.4W	9400 NW St Helens Rd	Jim Orr	VCP Agreement for Stormwater Assessment & Source Control	SCE	07/29/10	Stormwater	Not Started	Source Control Evaluation Assessment SOW under review implementation fall 2010	2nd Quarter 2011	to be determined	to be determined		Waiting on SCE completion March 2011										
Shore Terminals (aka NuStar and Valero was ECSI #1989)	5130	5.4W	9400 NW St Helens Rd	Jim Orr	VCP Agreement for Stormwater Assessment & Source Control	SCE	07/29/10	Overwater Activities	Not Started	Source Control Evaluation Assessment SOW under review	2nd Quarter 2011	to be determined	to be determined		Waiting on SCE completion March 2011										
Shore Terminals (aka NuStar and Valero was ECSI #1989)	5130	5.4W	9400 NW St Helens Rd	Jim Orr	VCP Agreement for Stormwater Assessment & Source Control	SCE	07/29/10	Loading Rack investigation	Ongoing	Characterization of releases from loading rack	to be determined	to be determined	to be determined		Waiting on SCE completion										
Brix Maritime (aka Foss)	2364	5.5 W	9030 NW St Helens	Jim Orr	PH Agr for RI/SCM (5/02)	RI/SCE	07/29/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	p Med	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Brix Maritime (aka Foss)	2364	5.5 W	9030 NW St Helens	Jim Orr	PH Agr for RI/SCM (5/02)	RI/SCE	07/29/10	Bank Erosion	Ongoing	Evaluated as part of SCE	4th Quarter 2011	Not believed to be a complete pathway	p Low		Waiting on SCE to be completed										
Brix Maritime (aka Foss)	2364	5.5 W	9030 NW St Helens	Jim Orr	PH Agr for RI/SCM (5/02)	RI/SCE	07/29/10	Groundwater	Ongoing	SCE Report Under Development	4th Quarter 2011	Pathway is complete	pMed		Waiting on SCE to be completed										
Brix Maritime (aka Foss)	2364	5.5 W	9030 NW St Helens	Jim Orr	PH Agr for RI/SCM (5/02)	RI/SCE	07/29/10	Stormwater	SCE Report is being Produced. All data collected	Catch basin sediment sampling/screening for site COI plus PCBs and phthalates, and follow-up storm water sampling per JSCS.	4th Quarter 2011	to be determined	to be determined		Waiting on SCE to be completed										
Brix Maritime (aka Foss)	2364	5.5 W	9030 NW St Helens	Jim Orr	PH Agr for RI/SCM (5/02)	RI/SCE	07/29/10	Overwater Activities	N/A	N/A	N/A	No known current sources (spills will be reported to OERS)	none		Waiting on SCE to be completed										
Brix Maritime (aka Foss)	2364	5.5 W	9030 NW St Helens	Jim Orr	PH Agr for RI/SCM (5/02)	RI/SCE	07/29/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mar Com Marine (N Parcel)	4797	5.6 E	8790 N Bradford	Mike Romero	PH Agr for RI/SCM (11/01)	NFA	03/06/09	Overland Transport/Sheet Flow	Completed			overland soil transport suspected migration pathway	Low	p Med	EPA reviewed and commented 2004	alternatives evaluation completed in 2004	removal of 278 cubic yards of sandblast grit and soil; DEQ issues SCD in 5/2004	EPA reviewed and approved 2004	2007	278 CY soil	Port of Portland condemed property, Port conducted soil removal as prescribed in ROD 5/07	5/07	EPA commented 5/08	None	
Mar Com Marine (N Parcel)	4797	5.6 E	8790 N Bradford	Mike Romero	PH Agr for RI/SCM (11/01)	NFA	03/06/09	Bank Erosion	Not Started			Deferred investigation of beach to Mar Com South Parcel	p Med				Deferred investigation of beach to Mar Com South Parcel								
Mar Com Marine (N Parcel)	4797	5.6 E	8790 N Bradford	Mike Romero	PH Agr for RI/SCM (11/01)	NFA	03/06/09	Groundwater	Completed			Insigificant pathway; no actions recommended	Low		EPA reviewed and commented 2004		N/A								

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Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

Confirmed or suspected sources of contamination to the river								Source Control Evaluation (SCE)							Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)										
Site information				Project status																					
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements	
												Pathway determination	Pathway priority level	Site priority level											
Mar Com Marine (N Parcel)	4797	5.6 E	8790 N Bradford	Mike Romero	PH Agr for RI/SCM (11/01)	NFA	03/06/09	Stormwater	Completed			Insigificant pathway; no actions recommended	Low		EPA reviewed and commented 2004	N/A									
Mar Com Marine (N Parcel)	4797	5.6 E	8790 N Bradford	Mike Romero	PH Agr for RI/SCM (11/01)	NFA	03/06/09	Overwater Activities	N/A	N/A	N/A	none			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Mar Com Marine (N Parcel)	4797	5.6 E	8790 N Bradford	Mike Romero	PH Agr for RI/SCM (11/01)	NFA	03/06/09	Other	N/A		N/A	none			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Marine Finance, AKA Advanced American	2352	5.8 W	8444 NW St Helens	Mark Pugh	PPA	NFA	06/16/08	Overland Transport/Sheet Flow	Completed			contaminated over screening criteria in soil potentially susceptible to runoff	Low	Low	SCE submitted to EPA 9/30/04. No comments received.	alternatives evaluation completed 2004	Dig and haul soil contamination; capping with clean fill and/or building	SCM submitted to EPA 9/2004, no comments received	Soil removed 08/05; selected site areas capped with building and/or clean fill	1,150 cubic yards of soil removed (estimated); report pending		11/05	SCD submitted to EPA July 18, 2007.	Instituional control for cap and building will be required.	
Marine Finance, AKA Advanced American	2352	5.8 W	8444 NW St Helens	Mark Pugh	PPA	NFA	06/16/08	Bank Erosion	Completed			Insigificant pathway; no actions recommended	Low		SCE submitted to EPA 9/30/04. No comments received.	alternatives evaluation completed 2004	No SCM needed						SCD submitted to EPA July 18, 2007.	N/A	
Marine Finance, AKA Advanced American	2352	5.8 W	8444 NW St Helens	Mark Pugh	PPA	NFA	06/16/08	Groundwater	Completed			Insigificant pathway; no actions recommended	Low		SCE submitted to EPA 9/30/04. No comments received.	alternatives evaluation completed 2004	No SCM needed						*SCD submitted to EPA July 18, 2007.	N/A	
Marine Finance, AKA Advanced American	2352	5.8 W	8444 NW St Helens	Mark Pugh	PPA	NFA	06/16/08	Stormwater	completed			Insigificant pathway; no actions recommended	Low		N/A	N/A	N/A	N/A	N/A	N/A	Storm drain system was installed in May 2006; 3 storm water sampling events complete. 1 more pending.		*SCD submitted to EPA July 18, 2007.	N/A	
Marine Finance, AKA Advanced American	2352	5.8 W	8444 NW St Helens	Mark Pugh	PPA	NFA	06/16/08	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Marine Finance, AKA Advanced American	2352	5.8 W	8444 NW St Helens	Mark Pugh	PPA	NFA	06/16/08	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Mar Com (S Parcel)	2350	5.8 E	8790 N Bradford	Mike Romero	PH Agr	RI	06/30/10	Overland Transport/Sheet Flow	Ongoing	Reviewing revised SCE	Pending review	Complete	p High		p High	To be determined									
Mar Com (S Parcel)	2350	5.8 E	8790 N Bradford	Mike Romero	PH Agr	RI	06/30/10	Bank Erosion	Ongoing	Reviewing revised SCE	Pending review	TBD	p Med	To be determined											
Mar Com (S Parcel)	2350	5.8 E	8790 N Burgard	Mike Romero	PH Agr	RI	06/30/10	Groundwater	Ongoing	Reviewing revised SCE	Pending review	TBD	p Med	To be determined											
Mar Com (S Parcel)	2350	5.8 E	8790 N Bradford	Mike Romero	PH Agr	RI	06/30/10	Stormwater	Ongoing	Reviewing revised SCE	Pending review	TBD	to be determined	To be determined											
Mar Com (S Parcel)	2350	5.8 E	8790 N Bradford	Mike Romero	PH Agr	RI	06/30/10	Overwater Activities	N/A	No current overwater activities, only historic	N/A	N/A	N/A	N/A		N/A	Floating dry dock sold in 2004, and removed from site								
Mar Com (S Parcel)	2350	5.8 E	8790 N Bradford	Mike Romero	PH Agr	RI	06/30/10	Other	N/A	N/A	N/A	N/A	none	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
BES Water Lab	2452	6.0E	6543 N Burlington	Mark Pugh	IGA	NFA	05/25/10	Overland Transport/Sheet Flow	Completed	none	Complete	Insigificant pathway; no actions recommended	Low	Low	EPA has reviewed and commented on SCD	no alternatives evaluation needed					no alternatives evaluation needed	no alternatives evaluation needed	no alternatives evaluation needed		
BES Water Lab	2452	6.0E	6543 N Burlington	Mark Pugh	IGA	NFA	05/25/10	Bank Erosion	Completed	none	Complete	Insigificant pathway; no actions recommended	Low		EPA has reviewed and commented on SCD	no alternatives evaluation needed									
BES Water Lab	2452	6.0E	6543 N Burlington	Mark Pugh	IGA	NFA	05/25/10	Groundwater	Completed	none	Complete	Insigificant pathway; no actions recommended	Low		EPA has reviewed and commented on SCD	no alternatives evaluation needed									
BES Water Lab	2452	6.0E	6543 N Burlington	Mark Pugh	IGA	NFA	05/25/10	Stormwater	Completed	none	Complete	Insigificant pathway; no actions recommended	Low		EPA has reviewed and commented on SCD	no alternatives evaluation needed									
BES Water Lab	2452	6.0E	6543 N Burlington	Mark Pugh	IGA	NFA	05/25/10	Overwater Activities	Completed	N/A	N/A	No known current sources (spills will be reported to OERS)	Low		EPA has reviewed and commented on SCD	no alternatives evaluation needed									
BES Water Lab	2452	6.0E	6543 N Burlington	Mark Pugh	IGA	NFA	05/25/10	Other	Completed	N/A	N/A	No known current sources (spills will be reported to OERS)	Low		EPA has reviewed and commented on SCD	no alternatives evaluation needed									
US Moorings	1641	6.2W	8010 NW St. Helens Rd.	Mark Ader EPA	Federal RCRA Order	FS	08/02/10	Overland Transport/Sheet Flow	Completed						EPA preparing proposed Plan October 2010										

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Confirmed or suspected sources of contamination to the river								Source Control Evaluation (SCE)							Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)										
Site information				Project status																					
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements	
												Pathway determination	Pathway priority level	Site priority level											
US Moorings	1641	6.2W	8010 NW St. Helens Rd.	Mark Ader EPA	Federal RCRA Order	FS	08/02/10	Bank Erosion	Completed						EPA preparing proposed Plan October 2010										
US Moorings	1641	6.2W	8010 NW St. Helens Rd.	Mark Ader EPA	Federal RCRA Order	FS	08/02/10	Groundwater	Completed						EPA preparing proposed Plan October 2010										
US Moorings	1641	6.2W	8010 NW St. Helens Rd.	Mark Ader EPA	Federal RCRA Order	FS	08/02/10	Stormwater	Completed						EPA preparing proposed Plan October 2010										
US Moorings	1641	6.2W	8010 NW St. Helens Rd.	Mark Ader EPA	Federal RCRA Order	FS	08/02/10	Overwater Activities	Completed						EPA preparing proposed Plan October 2010										
US Moorings	1641	6.2W	8010 NW St. Helens Rd.	Mark Ader EPA	Federal RCRA Order	FS	08/02/10	Other	Completed						EPA preparing proposed Plan October 2010										
Crawford Street Corp	2363	6.3 E	84248 N Crawford	Shawn Rapp	PH Letter Agr for XPA (11/99)	XPA	07/01/10	Overland Transport/Sheet Flow	Ongoing	See Stormwater Pathway	2nd Quarter 2011	Waiting on SCE to be completed	to be determined	p Low	Waiting on SCE completion		Work plan to sample erodible surface soils approved; results pending								
Crawford Street Corp	2363	6.3 E	84248 N Crawford	Shawn Rapp	PH Letter Agr for XPA (11/99)	XPA	07/01/10	Bank Erosion	Ongoing	Bank characterization underway	2nd Quarter 2011	Waiting on SCE to be completed	to be determined		Waiting on SCE completion		RP removed black sand from beach and bank in 10/01. Residual contamination exists on beach, deferred to in-water RI. Bank was replaced with clean fill.								
Crawford Street Corp	2363	6.3 E	84248 N Crawford	Shawn Rapp	PH Letter Agr for XPA (11/99)	XPA	07/01/10	Groundwater	Ongoing	None	2nd Quarter 2011	Insignificant pathway; no actions recommended	p Low		Waiting on SCE completion										
Crawford Street Corp	2363	6.3 E	84248 N Crawford	Shawn Rapp	PH Letter Agr for XPA (11/99)	XPA	07/01/10	Stormwater	Ongoing	Storm water sampling per JSCS	2nd Quarter 2011	Waiting on SCE to be completed	to be determined		Waiting on SCE completion		RP currently evaluating possible stormwater piping and seep sources								
Crawford Street Corp	2363	6.3 E	84248 N Crawford	Shawn Rapp	PH Letter Agr for XPA (11/99)	XPA	07/01/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Crawford Street Corp	2363	6.3 E	84248 N Crawford	Shawn Rapp	PH Letter Agr for XPA (11/99)	XPA	07/01/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
NW Natural - "Gasco" Site	84	6.4 W	7900 NW St Helens	Dana Bayuk	Pre-PH VCP Agr for RI/FS (8/94) amended 7/06	RI	10/30/10	Overland Transport/Sheet Flow	Completed	None	4th Quarter 2010	Pathway potentially complete	p Low	High	N/A	Potential runoff in eastern corner of site will be controlled by future bank remedial work which will be EPA lead.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
NW Natural - "Gasco" Site	84	6.4 W	7900 NW St Helens	Dana Bayuk	Pre-PH VCP Agr for RI/FS (8/94) amended 7/06	RI	07/30/10	Bank Erosion	Completed	N/A, NW Natural moving forward with source control	N/A, NW Natural submitted SCM evaluation (FFS)	Pathway is complete	High		N/A	SCM Evaluation (FFS) received 11/07, DEQ review complete (3/08)	Depending on location, riverbank SCMs to include bank regrading, repair, removal, and replacement combined with shallow groundwater controls.	EPA comments received 2/08			NW Natural, EPA, and DEQ agreed riverbank remediation will take place concurrently with the construction phase of the NW Natural & Siltronic in-water sediment action, both to be overseen by EPA. AOC for in-water work finalized 9/09.				
NW Natural "Gasco" Site	84	6.4 W	7900 NW St Helens	Dana Bayuk	Pre-PH VCP Agr for RI/FS (8/94) amended 7/06	RI	07/30/10	Groundwater	Completed	N/A, NW Natural submitted SCM Evaluation (FFS)	N/A, NW Natural submitted SCM Evaluation	Pathway is complete	High		N/A	SCM Evaluation (FFS) submitted 11/07, DEQ review complete 3/08	Vertical barrier in most contaminated shoreline area (Segment 1), hydraulic containment along site shoreline (segments 1 and 2), and DNAPL removal beneath former effluent ponds.	EPA comments received 2/08	Preliminary design received (6/08); DEQ review complete (8/08). Interim Design received (11/09); DEQ review complete (3/10). DEQ conditionally approved Segment 2 design. Due to DNAPL concerns and timing of implementation DEQ deferred source control along "Gasco" portion of Segment 1 to uplands FS.		NW Natural formally disputing DEQ Segment 1 source control decision.				

Table 1: DEQ Milestone Report
Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

Confirmed or suspected sources of contamination to the river								Source Control Evaluation (SCE)							Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)										
Site information					Project status																				
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements	
												Pathway determination	Pathway priority level	Site priority level											
NW Natural "Gasco" Site	84	6.4 W	7900 NW St Helens	Dana Bayuk	Pre-PH VCP Agr for RI/FS (8/94) amended 7/06	RI	07/30/10	Stormwater	Ongoing	Complete stormwater & catch basin sampling report for JSCS screening purposes.	4th Quarter 2010	Pathway is complete	to be determined		Waiting on SCE to be completed.										
NW Natural "Gasco" Site	84	6.4 W	7900 NW St Helens	Dana Bayuk	Pre-PH VCP Agr for RI/FS (8/94) amended 7/06	RI	07/30/10	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	
NW Natural - "Gasco" Site	84	6.4 W	7900 NW St Helens	Dana Bayuk	Pre-PH VCP Agr for RI/FS (8/94) amended 7/06	RI	07/30/10	Other - Koppers NPDES Permit	Ongoing	Complete catch basin sediment sampling report for JSCS screening purposes.	4th Quarter 2010	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed										
Koppers Inc	2348	6.5 W	7540 NW St. Helens Rd.	Dana Bayuk	Part of NW Natural "Gasco" Site; see ECSI #84		07/30/10	Overland Transport/Sheet Flow						to be determined											
Koppers Inc	2348	6.5 W	7540 NW St. Helens Rd.	Dana Bayuk			07/30/10	Bank Erosion																	
Koppers Inc	2348	6.5 W	7540 NW St. Helens Rd.	Dana Bayuk			07/30/10	Groundwater																	
Koppers Inc	2348	6.5 W	7540 NW St. Helens Rd.	Dana Bayuk			07/30/10	Stormwater																	
Koppers Inc	2348	6.5 W	7540 NW St. Helens Rd.	Dana Bayuk			07/30/10	Overwater Activities																	
Koppers Inc	2348	6.5 W	7540 NW St. Helens Rd.	Dana Bayuk		Ongoing	07/30/10	Other - Koppers NPDES Permit	Ongoing	Complete catch basin sediment sampling report for JSCS screening purposes.	4th Quarter 2010	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed										
NW Natural - "Siltronic MGP" Site	183	6.6 W	7700 NW Front	Dana Bayuk	Joint NW Natural/Siltronic Order (10/00) & Amendment #1 (7/06) to Pre-PH VCP Agr for RI/FS (8/94)	RI	08/02/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	High	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
NW Natural - "Siltronic MGP" Site	183	6.6 W	7700 NW Front	Dana Bayuk	Joint NW Natural/Siltronic Order (10/00) & Amendment #1 (7/06) to Pre-PH VCP Agr for RI/FS (8/94)	RI	08/02/10	Bank Erosion	Ongoing	Complete characterization of MGP waste/contamination along shoreline per NW Natural's "Siltronic MGP Site" RI work plan approved 10/07.	to be determined	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed										
NW Natural - "Siltronic MGP" Site	183	6.6 W	7700 NW Front	Dana Bayuk	Joint NW Natural/Siltronic Order (10/00) & Amendment #1 (7/06) to Pre-PH VCP Agr for RI/FS (8/94)	RI	08/02/10	Groundwater	Siltronic portion of Segment 1 complete, Segment 3 ongoing	MGP waste and contamination being investigated along shoreline upstream of Segment 1 (i.e., Segment 3) per MGP RI work plan. Review draft pf Segment 3 SCE submitted 2/09.	4th Quarter 2010 (Segment 3 projected)	Pathway is complete	High		SCM Evaluation (FFS) received 11/07, including Siltronic portion of Segment 1; DEQ review complete (3/08)	Hydraulic containment of Siltronic portion of Segment 1	EPA comments received 2/08	Preliminary design received (6/08); DEQ review complete (8/08). Interim design received (11/09); DEQ review complete (3/10). DEQ conditionally approved NW Natural's interim design for two extraction wells along Siltronic portion of Segment 1.	NW Natural formally disputing DEQ Segment 1 source control decision for "Gasco" site portion of Segment 1.						
NW Natural - "Siltronic MGP" Site	183	6.6 W	7700 NW Front	Dana Bayuk	Joint NW Natural/Siltronic Order (10/00) & Amendment #1 (7/06) to Pre-PH VCP Agr for RI/FS (8/94)	RI	08/02/10	Stormwater	Ongoing	Evaluate MGP waste/contamination in shallow soils per MGP RI work plan and combine with Siltronics stormwater system data.	4th Quarter 2010	Pathway is complete	to be determined		Waiting on SCE to be completed										
NW Natural - "Siltronic MGP" Site	183	6.6 W	7700 NW Front	Dana Bayuk	Joint NW Natural/Siltronic Order (10/00) & Amendment #1 (7/06) to Pre-PH VCP Agr for RI/FS (8/94)	RI	08/02/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
NW Natural - "Siltronic MGP" Site	183	6.6 W	7700 NW Front	Dana Bayuk	Joint NW Natural/Siltronic Order (10/00) & Amendment #1 (7/06) to Pre-PH VCP Agr for RI/FS (8/94)	RI	08/02/10	Other - Doane Creek	Ongoing	Investigate COI contributions to Doane Creek & City's OF-22C per Siltronic MGP Site RI work plan (Summer 2010)	TBD pending results of bank soil, stream sediment, and surface water sampling proposed in MGP RI	Pathway is complete	to be determined		Waiting on SCE to be completed										
Siltronic Corp. TCE Investigation	183	6.5 W	7200 NW Front	Dana Bayuk	VCP Order (2/04) & Joint NW Natural/Siltronic Order (10/00)	RI	08/02/10	Overland Transport/Sheet Flow	N/A	N/A, subsurface releases from UST system	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

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Confirmed or suspected sources of contamination to the river								Source Control Evaluation (SCE)							Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)										
Site information					Project status																				
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements	
												Pathway determination	Pathway priority level	Site priority level											
Siltronic Corp. TCE Investigation	183	6.5 W	7200 NW Front	Dana Bayuk	VCP Order (2/04) & Joint NW Natural/Siltronic Order (10/00)	RI	08/02/10	Bank Erosion	N/A	N/A, subsurface releases from UST system	N/A	N/A	none	High	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Siltronic Corp. TCE Investigation	183	6.5 W	7200 NW Front	Dana Bayuk	VCP Order (2/04) & Joint NW Natural/Siltronic Order (10/00)	RI	08/02/10	Groundwater	Completed	N/A, Siltronic moving forward with source control. SCM Evaluation (FFS) submitted 10/07	N/A, Siltronic submitted SCM Evaluation	Pathway is complete	N/A, Siltronic submitted SCM Evaluation		SCM Evaluation (FFS) complete (12/07), DEQ review complete (2/08)	Enhanced in-situ bioremediation (EIB) in source area of TCE release, hydraulic containment in coordination with NW Natural along shoreline	EPA comments communicated to Siltronic 5/08	Final EIB work plan received (10/08), approved by DEQ (12/08); EIB performance monitoring well network established (2/09), EIB injections complete (7/09)		Groundwater monitoring within and downgradient of source area (i.e., former UST system) to assess EIB performance and effectiveness is ongoing.		Contingency meaures(hydraulic control/containment) may be implemented based on downgradient groundwater performance monitoring data and trends.			
Siltronic Corp. TCE Investigation	183	6.5 W	7200 NW Front	Dana Bayuk	VCP Order (2/04) & Joint NW Natural/Siltronic Order (10/00)	RI	08/02/10	Stormwater	Ongoing	Complete storm water and catch basin report per JSCS	4th Quarter 2010	Pathway is complete	to be determined		Waiting on SCF to be completed										
Siltronic Corp. TCE Investigation	183	6.5 W	7200 NW Front	Dana Bayuk	VCP Order (2/04) & Joint NW Natural/Siltronic Order (10/00)	RI	08/02/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Siltronic Corp. TCE Investigation	183	6.5 W	7200 NW Front	Dana Bayuk	VCP Order (2/04) & Joint NW Natural/Siltronic Order (10/00)	RI	08/02/10	Other - Sediment contamination (Area 2) offshore of northern facility outfall (Outfall 001)	N/A	N/A	N/A	N/A			N/A					Area 2 sediment contamination will be included in NW Natural/Siltronic in-water sediment action overseen by EPA. AOC for in-water work finalized 9/09.					
Willamette Cove	2066	6.8 E	Foot of N Edgewater	Ken Thiessen	PH Agr for RI/SCM (11/00)	RI	07/06/10	Overland Transport/Sheet Flow	Completed	None	Waiting on completion of riverbank work	Waiting on SCE WP to be completed	p Low	p Low	Waiting on SCE to be completed				Removal of contaminated soil completed June 2008	625 cubic yards					
Willamette Cove	2066	6.8 E	Foot of N Edgewater	Ken Thiessen	PH Agr for RI/SCM (11/00)	RI	07/06/10	Bank Erosion	Ongoing	Additional sampling planned Fourth quarter 2010	TBD	TBD	p Low		Waiting on SCE to be completed										
Willamette Cove	2066	6.8 E	Foot of N Edgewater	Ken Thiessen	PH Agr for RI/SCM (11/00)	RI	07/06/10	Groundwater	Ongoing	Additional sampling planned Fourth quarter 2010	TBD	TBD	p Low		Waiting on SCE to be completed										
Willamette Cove	2066	6.8 E	Foot of N Edgewater	Ken Thiessen	PH Agr for RI/SCM (11/00)	RI	07/06/10	Stormwater	N/A	No site-related stormwater outfalls	NA	Insignificant pathway; no actions recommended	none		NA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Willamette Cove	2066	6.8 E	Foot of N Edgewater	Ken Thiessen	PH Agr for RI/SCM (11/00)	RI	07/06/10	Overwater Activities	N/A	N/A	N/A	No current source; likely historic sources	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Rhone Poulenc	155	7.0 W	6200 NW St Helens	Dave Lacey	Pre-PH Order for RI (1999)	RI	06/21/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	p High	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Rhone Poulenc	155	7.0 W	6200 NW St Helens	Dave Lacey	Pre-PH Order for RI (1999)	RI	06/21/10	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Rhone Poulenc	155	7.0 W	6200 NW St Helens	Dave Lacey	Pre-PH Order for RI (1999)	RI	06/21/10	Groundwater (plume discharge to river)	Ongoing	SCE Report and Alternatives Analysis	SCE Report in revision - 9/2010	Pathway is complete	p High		Waiting on SCE to be completed	Interim measure pilot study ongoing;									
Rhone Poulenc	155	7.0 W	6200 NW St Helens	Dave Lacey	Pre-PH Order for RI (1999)	RI	06/21/10	Groundwater (plume discharge to City Outfall 22B)	Ongoing	Phased dry weather flow investigation completed	Part of SCE 9/2010	Pathway is complete	p High		Waiting on SCE to be completed	Interim measures implemented	Interim SCMs to stormwater line to prevent gw infiltration, effectiveness monitoring ongoing	Lining of entire 22B system in progress, early measures not effective, expected to be complete 3rd quarter 2010							
Rhone Poulenc	155	7.0 W	6200 NW St Helens	Dave Lacey	Pre-PH Order for RI (1999)	RI	06/21/10	Stormwater	Ongoing	Complete SCE write up	Part of SCE 9/2010	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed										
Rhone Poulenc	155	7.0 W	6200 NW St Helens	Dave Lacey	Pre-PH Order for RI (1999)	RI	06/21/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Rhone Poulenc	155	7.0 W	6200 NW St Helens	Dave Lacey	Pre-PH Order for RI (1999)	RI	06/21/10	Other - historical drainage ditch	Ongoing	Complete remedial investigation	Part of SCE 9/2010	Waiting on SCE to be completed	p Low		Waiting on SCE to be completed										
Rhone Poulenc	155	7.0 W	6200 NW St Helens	Dave Lacey	Pre-PH Order for RI (1999)	RI	06/21/10	Other - current NPDES permitted discharge	Ongoing	Data collection for PH COI	Part of SCE 9/2010	Waiting on SCE to be completed	p Low		Waiting on SCE to be completed.										
McCormick & Baxter	74	7.0E	6900 N Edgewater Street	Scott Manzano	Superfund agreement with EPA	remedy implemented	03/09/06	Overland Transport/Sheet Flow	Completed			Pathway is complete	High	High	Complete		contaminated soil removal, sheet-pile barrier wall, sediment cap, riparian soil cap, upland soil cap, creosote extraction	all SCMs have been implemented	6,200 gallons of creosote recovered from groundwater, 33,000 tons of contaminated soil and debris removed, 23 acres of contaminated sediment capped, 6 acres of contaminated bank soil capped, 35 acres of contaminated upland soil capped			EPA reviewed and commented.	periodic inspection and maintenance, effectiveness monitoring, site use restrictions		
McCormick & Baxter	74	7.0E	6900 N Edgewater Street	Scott Manzano	Superfund agreement with EPA	remedy implemented	03/09/06	Bank Erosion	Completed			Pathway is complete	High		Complete				EPA reviewed and commented.						
McCormick & Baxter	74	7.0E	6900 N Edgewater Street	Scott Manzano	Superfund agreement with EPA	remedy implemented	03/09/06	Groundwater	Completed			Pathway is complete	High		Complete				EPA reviewed and commented.						
McCormick & Baxter	74	7.0E	6900 N Edgewater Street	Scott Manzano	Superfund agreement with EPA	remedy implemented	03/09/06	Stormwater	Completed			Pathway is complete	High		Complete				EPA reviewed and commented.						
McCormick & Baxter	74	7.0E	6900 N Edgewater Street	Scott Manzano	Superfund agreement with EPA	remedy implemented	03/09/06	Overwater Activities	Completed			Pathway is complete	High		Complete				EPA reviewed and commented.						

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Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

Confirmed or suspected sources of contamination to the river								Source Control Evaluation (SCE)							Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)										
Site information					Project status																				
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements	
												Pathway determination	Pathway priority level	Site priority level											
McCormick & Baxter	74	7.0E	6900 N Edgewater Street	Scott Manzano	Superfund agreement with EPA	remedy implemented	03/09/06	Other	N/A			N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Arkema	398	7.2 W	6400 NW Front	Matt McClincy	Pre-PH VCP Formal Agr for RI/FS (9/98)	FS	08/03/10	Groundwater (Chlorobenzene/DDT Plume)	Completed		Completed April 07	Pathway is complete	High	High	EPA May 07 Completed	Draft focused feasibility study (ffs) for proposed hydraulic containment wall/system submitted May 08, Response to EPA/DEQ comments received Sept. 2008.	1,800 foot top of bank slurry wall, groundwater pump and treat system recommended.	Submitted for EPA review February 24, 2009	Interim SCMs include AS/SVE system, initiated in-situ chem-ox treatment		Groundwater containment system in design scheduled to be operational Jan 2012				
Arkema	398	7.2 W	6400 NW Front	Matt McClincy	Pre-PH VCP Formal Agr for RI/FS (9/98)	FS	08/03/10	Groundwater (Hexavalent Chromium Plume)	Completed		Completed April 07	Pathway is complete	High		EPA May 07 Completed	Draft focused feasibility study (ffs) for proposed hydraulic containment wall/system submitted May 08, Response to EPA/DEQ comments received Sept. 2008.	1,800 foot top of bank slurry wall, groundwater pump and treat system recommended.	Submitted for EPA review February 24, 2009	Interim SCMs include in-situ calcium polysulfide treatment		Groundwater containment system in design scheduled to be operational Jan 2012				
Arkema	398	7.2 W	6400 NW Front	Matt McClincy	Pre-PH VCP Formal Agr for RI/FS (9/98)	FS	08/03/10	Groundwater (Perchlorate Plume)	Completed		Completed April 07	Pathway is complete	High		EPA May 07 Completed	Draft focused feasibility study (ffs) for proposed hydraulic containment wall/system submitted May 08, Response to EPA/DEQ comments received Sept. 2008.	1,800 foot top of bank slurry wall, groundwater pump and treat system recommended.	Submitted for EPA review February 24, 2009	Bench scale treatability study completed April 2008		Groundwater containment system in design scheduled to be operational Jan 2012				
Arkema	398	7.2 W	6400 NW Front	Matt McClincy	Pre-PH VCP Formal Agr for RI/FS (9/98)	FS	08/03/10	Groundwater Lots 1, 2 and northern portion of Lot 3	Ongoing	Rhone Poulenc SCE	4th Quarter 2010	Pathway is complete	p High												
Arkema	398	7.2 W	6400 NW Front	Matt McClincy	Pre-PH VCP Formal Agr for RI/FS (9/98)	FS	08/03/10	Overland Transport/Sheet Flow	Ongoing	Part of Stormwater FFS	DEQ currently reviewing	Waiting on SCE to be completed	to be determined		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arkema	398	7.2 W	6400 NW Front	Matt McClincy	Pre-PH VCP Formal Agr for RI/FS (9/98)	FS	08/03/10	Bank Erosion	Completed			River Bank soil contaminant levels exceed action levels	High		Anticipate integrating with EPA in-water action	Review of riverbank remedial alternatives in progress	Timing of SCM to be coordinated with EPA Early Action	None							
Arkema	398	7.2 W	6400 NW Front	Matt McClincy	Pre-PH VCP Formal Agr for RI/FS (9/98)	FS	08/03/10	Stormwater	Completed			Contaminants in stormwater exceed screening values (AWQC)	High			DEQ Water Quality Mutal Agreement and Order signed for new stormwater collection and treatment system	Interim SCMs include BMPs, surface soil removals and surface soil caps		Abandon existing system, update temporary caps to limit stormwater transport, construct new stormwater collection and treatment system by Jan 2012						
Arkema	398	7.2 W	6400 NW Front	Matt McClincy	Pre-PH VCP Formal Agr for RI/FS (9/98)	FS	08/03/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arkema	398	7.2 W	6400 NW Front	Matt McClincy	Pre-PH VCP Formal Agr for RI/FS (9/98)	FS	08/03/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Air Liquide	395	7.2 W	6529 NW Front Ave.	Dave Lacey	Letter Agreement 1/09	XPA	06/21/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	p Med	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Air Liquide	395	7.2 W	6529 NW Front Ave.	Dave Lacey	Letter Agreement 1/09	XPA	06/21/10	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Air Liquide	395	7.2 W	6529 NW Front Ave.	Dave Lacey	Letter Agreement 1/09	XPA	06/21/10	Groundwater	Ongoing	TBD	TBD	Waiting on SCE to be completed	to be determined		Waiting on SCE completion										
Air Liquide	395	7.2 W	6529 NW Front Ave.	Dave Lacey	Letter Agreement 1/09	XPA	06/21/10	Stormwater	Ongoing	Stormwater Assessment	4th Qtr 2010	Waiting on SCE to be completed	p Med		Waiting on SCE completion										
Air Liquide	395	7.2 W	6529 NW Front Ave.	Dave Lacey	Letter Agreement 1/09	XPA	06/21/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Air Liquide	3342	7.2 W	6529 NW Front Ave.	Dave Lacey	Letter Agreement 1/09	XPA	06/21/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Metro Central Transfer Station	1398	7.2 W	6161 NW 61 Ave	Dave Lacey	Letter Agreement 1/10	XPA	06/21/10	Groundwater	Ongoing	TBD	TBD	Waiting on SCE to be completed	to be determined	p Med	Waiting on SCE completion										
Metro Central Transfer Station	1398	7.2 W	6161 NW 61 Ave	Dave Lacey	Letter Agreement 1/10	XPA	06/21/10	Stormwater	Ongoing	Stormwater Assessment	4th Qtr 2010	Waiting on SCE to be completed	p Med		Waiting on SCE completion										
Metro Central Transfer Station	1398	7.2 W	6161 NW 61 Ave	Dave Lacey	Letter Agreement 1/10	XPA	06/21/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Metro Central Transfer Station	1398	7.2 W	6161 NW 61 Ave	Dave Lacey	Letter Agreement 1/10	XPA	06/21/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Schnitzer Investment Doane Lake	395	7.2 W	6529 NW Front Ave.	Dave Lacey	Agreement negotiations ongoing	XPA	06/21/10	Overland Transport/Sheet Flow	Not Started	TBD	No current schedule.	N/A	to be determined		TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	

Table 1: DEQ Milestone Report
Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

Confirmed or suspected sources of contamination to the river								Source Control Evaluation (SCE)							Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)									
Site information					Project status																			
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
												Pathway determination	Pathway priority level	Site priority level										
Schnitzer Investment Doane Lake	395	7.2 W	6529 NW Front Ave.	Dave Lacey	Agreement negotiations ongoing	XPA	06/21/10	Bank Erosion	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Schnitzer Investment Doane Lake	395	7.2 W	6529 NW Front Ave.	Dave Lacey	Agreement negotiations ongoing	XPA	06/21/10	Groundwater	Not Started	TBD	No current schedule.	TBD	p Med	p Med	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Schnitzer Investment Doane Lake	395	7.2 W	6529 NW Front Ave.	Dave Lacey	Agreement negotiations ongoing	XPA	06/21/10	Stormwater	Not Started	TBD	No current schedule.	TBD	p Med		TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Schnitzer Investment Doane Lake	395	7.2 W	6529 NW Front Ave.	Dave Lacey	Agreement negotiations ongoing	XPA	06/21/10	Overwater Activities	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Schnitzer Investment Doane Lake	395	7.2 W	6529 NW Front Ave.	Dave Lacey	Agreement negotiations ongoing	XPA	06/21/10	Other	Not Started	TBD	No current schedule.	TBD	to be determined		TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
GS Roofing	117	7.5 W	6350 NW Front	Ken Thiessen	VCP - PH Agr	RI	07/06/10	Overland Transport/Sheet Flow	Ongoing	Finish characterization by First Quarter 2011	TBD	TBD	p Low	p Med	Waiting on SCE to be completed.									
GS Roofing	117	7.5 W	6350 NW Front	Ken Thiessen	VCP - PH Agr	RI	07/06/10	Bank Erosion	Ongoing	Finish characterization by First Quarter 2011	TBD	TBD	p Low		Waiting on SCE to be completed.									
GS Roofing	117	7.5 W	6350 NW Front	Ken Thiessen	VCP - PH Agr	RI	07/06/10	Groundwater	Ongoing	Finish characterization by First Quarter 2011	TBD	TBD	p Low		Waiting on SCE to be completed.									
GS Roofing	117	7.5 W	6350 NW Front	Ken Thiessen	VCP - PH Agr	RI	07/06/10	Stormwater	Ongoing	Follow up stormwater system characterization by First Quarter 2011	TBD	Complete	p Med		Waiting on SCE to be completed.									
GS Roofing	117	7.5 W	6350 NW Front	Ken Thiessen	VCP - PH Agr	RI	07/06/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GS Roofing	117	7.5 W	6350 NW Front	Ken Thiessen	VCP - PH Agr	RI	07/06/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Triangle Park (N PDX Yard)	277	7.5 E	5828 N Van Houten	Mark Ader EPA	Federal PPA 2006	EE/CA	08/02/10	Overland Transport/Sheet Flow	Completed				Medium based on DEQ 2004	Medium	EPA reviewed & commented on DEQ's 2004 SCD	EPA EE/CA planned for 4th Quarter 2010								
Triangle Park (N PDX Yard)	277	7.5 E	5828 N Van Houten	Mark Ader EPA	Federal PPA 2006	EE/CA	08/02/10	Bank Erosion	Completed				Medium based on DEQ 2004		EPA reviewed & commented on DEQ's 2004 SCD	EPA EE/CA planned for 4th Quarter 2010								
Triangle Park (N PDX Yard)	277	7.5 E	5828 N Van Houten	Mark Ader EPA	Federal PPA 2006	EE/CA	08/02/10	Groundwater	Completed				TBD based on DEQ 2004		EPA reviewed & commented on DEQ's 2004 SCD	EPA EE/CA planned for 4th Quarter 2010								
Triangle Park (N PDX Yard)		7.5 E	5828 N Van Houten	Mark Ader EPA	Federal PPA 2006	EE/CA	08/02/10	Stormwater	Completed				Medium based on DEQ 2004		EPA reviewed & commented on DEQ's 2004 SCD	EPA EE/CA planned for 4th Quarter 2010								
Triangle Park (N PDX Yard)	277	7.5 E	5828 N Van Houten	Mark Ader EPA	Federal PPA 2006	EE/CA	08/02/10	Overwater Activities	Completed				none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Triangle Park (N PDX Yard)	277	7.5 E	5828 N Van Houten	Mark Ader EPA	Federal PPA 2006	EE/CA	08/02/10	Other - Petroleum pipeline enters at south end of site from beneath the river	Completed				Low based on DEQ 2004		EPA reviewed & commented on DEQ's 2004 SCD	EPA EE/CA planned for 4th Quarter 2010								
Triangle Park (N PDX Yard)																								
Gould Electronics, Inc aka GA-TEK	49	7.5W	5909 NW 61st Ave	EPA lead; Chip Humphrey	EPA Consent Decree		03/15/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gould Electronics, Inc aka GA-TEK	49	7.5W	5909 NW 61st Ave	EPA lead; Chip Humphrey	EPA Consent Decree		03/15/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gould Electronics, Inc aka GA-TEK	49	7.5W	5909 NW 61st Ave	EPA lead; Chip Humphrey	EPA Consent Decree		03/15/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		EPA issued groundwater NFA based upon risk assessment	No SCM needed							EPA lead	
Gould Electronics, Inc aka GA-TEK	49	7.5W	5909 NW 61st Ave	EPA lead; Chip Humphrey	EPA Consent Decree		03/15/06	Groundwater/ City Storm Sewer	Completed			Pathway has been eliminated	none		EPA lead									

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Confirmed or suspected sources of contamination to the river							Source Control Evaluation (SCE)							Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)										
Site information				Project status																				
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
												Pathway determination	Pathway priority level	Site priority level										
Gould Electronics, Inc aka GA-TEK	49	7.5W	5909 NW 61st Ave	EPA lead; Chip Humphrey	EPA Consent Decree		03/15/06	Stormwater	Completed			Historically pathway existed. Current discharge insignificant pathway; no actions recommended	Low		EPA lead		1) Contaminated soil removal and containment (landfill); 2) Sediment removal; 3) RCRA waste containment; 4) Removed waste pond 5) O&M ongoing						EPA lead	
Gould Electronics, Inc aka GA-TEK	49	7.5W	5909 NW 61st Ave	EPA lead; Chip Humphrey	EPA Consent Decree		03/15/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gould Electronics, Inc aka GA-TEK	49	7.5W	5909 NW 61st Ave	EPA lead; Chip Humphrey	EPA Consent Decree		03/15/06	Other - Historic and Current NPDES permit	Completed			Historically pathway existed. Current discharge insignificant pathway; no actions recommended	Low		EPA lead		Removed waste pond (East Doane Lake); O&M ongoing						EPA lead	
Willbridge (Kinder Morgan, Chevron, Conoco Phillips)	1549	7.7 W	Front Ave & NW Doane	Mike Romero	Pre-PH Consent Order (3/94)	RI/FS	06/30/10	Overland Transport/Sheet Flow	Completed			Insignificant pathway; no actions recommended	Low	High	Submitted to EPA fall 2004; no comments		No SCM needed						N/A	
Willbridge (Kinder Morgan, Chevron, Conoco Phillips)	1549	7.7 W	Front Ave & NW Doane	Mike Romero	Pre-PH Consent Order (3/94)	RI/FS	06/30/10	Bank Erosion	Completed	Erodable Soils sampling conducted	Spring 2010	Insignificant pathway; no actions recommended	Low		Submitted to EPA fall 2004; no comments.								N/A	
Willbridge (Kinder Morgan, Chevron, Conoco Phillips)	1549	7.7 W	Front Ave & NW Doane	Mike Romero	Pre-PH Consent Order (3/94)	RI/FS	06/30/10	Groundwater	Ongoing	Chevron and Conoco conducting one GW SCE, Kinder Morgan conducting individual SCE	2nd qtr 2011 for Kinder Morgan, 4th qtr 2010 for Chevron/Conoco	GW suspected migration pathway	High		1st SCE submitted to EPA fall 2004; no comments. Waiting for revised GW SCE that includes deep groundwater and new site info to be completed	Product recovery & hydraulic containment for shallow GW (sheet pile wall)	Proposed SCM submitted to EPA fall 2004; no comments	hydraulic containment and treatment		containment system installed 2006,			Effectiveness monitoring and operation and maintenance on going	
Willbridge (Kinder Morgan, Chevron, Conoco Phillips)	1549	7.7 W	Front Ave & NW Doane	Mike Romero	Pre-PH Consent Order (3/94)	RI/FS	06/30/10	Stormwater	Ongoing	Stormwater characterization started fall 07', Chevron SCE complete	4th Quarter 2010	Waiting on SCE to be completed at KinderMorgan and Conoco, Chevron SCE under review	to be determined		Waiting on SCE to be completed at 3 facilities.		Leaking stormwater covenanyce system repaired to stop GW infiltration at Conoco and KM (Saltzman creek)		OF-22 repaired 8/09, Conoco and Ceheron site specific repairs, KM- Saltzman creek repairs		Repair stormwater system begun 11/07			
Willbridge (Kinder Morgan, Chevron, Conoco Phillips)	1549	7.7 W	Front Ave & NW Doane	Mike Romero	Pre-PH Consent Order (3/94)	RI/FS	06/30/10	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Willbridge (Kinder Morgan, Chevron, Conoco Phillips)	1549	7.7 W	Front Ave & NW Doane	Mike Romero	Pre-PH Consent Order (3/94)	RI/FS	06/30/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
McCall Oil	134	7.8 W	5550 NW Front	Jim Orr	PH Agr for RI/CSM (3/00)	RI	07/01/10	Overland Transport/Sheet Flow	Ongoing	Part of stormwater characterization	1st Qtr 2011	Waiting on SCE to be completed	p Low	p Med	Waiting on SCE to be completed.	NA	NA	NA	NA	NA	NA	NA	NA	NA
McCall Oil	134	7.8 W	5550 NW Front	Jim Orr	PH Agr for RI/CSM (3/00)	RI	07/01/10	Bank Erosion	Ongoing	Additional riverbank sampling	1st Qtr 2011	Waiting on SCE to be completed	p Low		Waiting on SCE to be completed.	NA	NA			NA	NA	NA	NA	NA
McCall Oil	134	7.8 W	5550 NW Front	Jim Orr	PH Agr for RI/CSM (3/00)	RI	07/01/10	Groundwater	Ongoing	Additional groundwater data needed	1st Qtr 2011	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed.	NA	NA			NA	NA	NA	NA	NA
McCall Oil	134	7.8 W	5550 NW Front	Jim Orr	PH Agr for RI/CSM (3/00)	RI	07/01/10	Stormwater	Ongoing	Stormwater characterization and evaluation	1st Qtr 2011	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed.	NA	NA			NA	NA	NA	NA	NA
McCall Oil	134	7.8 W	5550 NW Front	Jim Orr	PH Agr for RI/CSM (3/00)	RI	07/01/10	Overwater Activities	Ongoing	Pathway needs to be evaluated in SCE	1st Qtr 2011	Waiting on SCE to be completed	p Low		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
McCall Oil	134	7.8 W	5550 NW Front	Jim Orr	PH Agr for RI/CSM (3/00)	RI	07/01/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anderson Brothers Property	970	8 W	5275 & 5315 NW St. Helens Rd.	Bob Schwarz	ICP	NFA	12/10/09	Overland Transport/Sheet Flow	Completed	None	N/A	N/A	none	Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anderson Brothers Property	970	8 W	5275 & 5315 NW St. Helens Rd.	Bob Schwarz	ICP	NFA	12/10/09	Bank Erosion	Completed	None	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anderson Brothers Property	970	8 W	5275 & 5315 NW St. Helens Rd.	Bob Schwarz	ICP	NFA	12/10/09	Groundwater	Completed	None	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anderson Brothers Property	970	8 W	5275 & 5315 NW St. Helens Rd.	Bob Schwarz	ICP	NFA	12/10/09	Stormwater	Completed	None	NA	Complete	Low		December 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anderson Brothers Property	970	8 W	5275 & 5315 NW St. Helens Rd.	Bob Schwarz	ICP	NFA	12/10/09	Overwater Activities	Completed	None	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anderson Brothers Property	970	8 W	5275 & 5315 NW St. Helens Rd.	Bob Schwarz	ICP	NFA	12/10/09	Other	Completed	None	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Site information					Project status																			
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
												Pathway determination	Pathway priority level	Site priority level										
Chevron Asphalt	1281	8.0 W	5501 NW Front	Mark Pugh	PH Letter Agr for SCE (6/06)	O&M	05/25/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chevron Asphalt	1281	8.0 W	5501 NW Front	Mark Pugh	PH Letter Agr for SCE (6/06)	O&M	05/25/10	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chevron Asphalt	1281	8.0 W	5501 NW Front	Mark Pugh	PH Letter Agr for SCE (6/06)	O&M	05/25/10	Groundwater	Completed	N/A	N/A	Insignificant pathway; no actions recommended	Low		EPA has reviewed and commented on SCD	No measures needed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chevron Asphalt	1281	8.0 W	5501 NW Front	Mark Pugh	PH Letter Agr for SCE (6/06)	O&M	05/25/10	Stormwater	Completed	N/A	N/A	Pathway is complete	Low		EPA has reviewed and commented on SCD	Completed;	In-line sediment removal; enhanced BMPs	Completed and ongoing Source control measures are	BMPs such as catch basin inserts, inspection and catch	approximately 1 ton of catch basin and in-line solids removed to	Additional cleanout of line segment completed in August 2009,	August 2009; ongoing	EPA has reviewed and commented on	BMPs as documented in revised SWPCP
Chevron Asphalt	1281	8.0 W	5501 NW Front	Mark Pugh	PH Letter Agr for SCE (6/06)	O&M	05/25/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chevron Asphalt	1281	8.0 W	5501 NW Front	Mark Pugh	PH Letter Agr for SCE (6/06)	O&M	05/25/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Willbridge Railyard	3395	8.0 W	5814 NW Doane Ave.	Shawn Rapp	Letter Agr for XPA	XPA	07/27/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	p Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Willbridge Railyard	3395	8.0 W	5814 NW Doane Ave.	Shawn Rapp	Letter Agr for XPA	XPA	07/27/10	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Willbridge Railyard	3395	8.0 W	5814 NW Doane Ave.	Shawn Rapp	Letter Agr for XPA	XPA	07/27/10	Groundwater	Ongoing	None	2nd Qtr 2011	No known current sources (spills will be reported to OERS)	p Low		Waiting on SCE completion	No measures needed	N/A							
Willbridge Railyard	3395	8.0 W	5814 NW Doane Ave.	Shawn Rapp	Letter Agr for XPA	XPA	07/27/10	Stormwater	Ongoing	Working with neighboring sites to determine pipe locations, flow, ownership and conditions	2nd Qtr 2011	Waiting on SCE to be completed	p Low		Waiting on SCE completion		Pending SCE completion. Site piping receiving contaminants from city streets.							
Willbridge Railyard	3395	8.0 W	5814 NW Doane Ave.	Shawn Rapp	Letter Agr for XPA	XPA	07/27/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Willbridge Railyard	3395	8.0 W	5814 NW Doane Ave.	Shawn Rapp	Letter Agr for XPA	XPA	07/27/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Glacier Northwest Inc.	2378	8.1 W	5034 NW Front Ave	Mike Romero	Part of Front Ave LP site, see ESCI #1239			Overland Transport/Sheet Flow																
Glacier Northwest Inc.	2378	8.1 W	5034 NW Front Ave	Mike Romero				Bank Erosion																
Glacier Northwest Inc.	2378	8.1 W	5034 NW Front Ave	Mike Romero				Groundwater																
Glacier Northwest Inc.	2378	8.1 W	5034 NW Front Ave	Mike Romero				Stormwater																
Glacier Northwest Inc.	2378	8.1 W	5034 NW Front Ave	Mike Romero				Overwater Activities																
Glacier Northwest Inc.	2378	8.1 W	5034 NW Front Ave	Mike Romero				Other																
Front Ave LP	1239	8.2 W	4950, 5034 & 5200 NW Front	Mike Romero	VCP Letter Agr for PA (1/02)	RI	06/30/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	p Low	NA	NA	NA	NA	NA	NA	N/A	N/A	N/A	N/A
Front Ave LP	1239	8.2 W	4950, 5034 & 5200 NW Front	Mike Romero	VCP Letter Agr for PA (1/02)	RI	06/30/10	Bank Erosion	Ongoing	Conducting XPA and SCE	4thQtr 2010	Waiting on SCE to be completed	p Low		Waiting on SCE to be completed.									
Front Ave LP	1239	8.2 W	4950, 5034 & 5200 NW Front	Mike Romero	VCP Letter Agr for PA (1/02)	RI	06/30/10	Groundwater	Ongoing	Conducting XPA and SCE	4th Qtr 2010	Waiting on SCE to be completed	p Low		Waiting on SCE to be completed.									
Front Ave LP	1239	8.2 W	4950, 5034 & 5200 NW Front	Mike Romero	VCP Letter Agr for PA (1/02)	RI	06/30/10	Stormwater	Ongoing	Conducting XPA, additional sampling needed for SCE completion	4th Qtr 2010	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed.									
Front Ave LP	1239	8.2 W	4950, 5034 & 5200 NW Front	Mike Romero	VCP Letter Agr for PA (1/02)	RI	06/30/10	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front Ave LP	1239	8.2 W	4950, 5034 & 5200 NW Front	Mike Romero	VCP Letter Agr for PA (1/02)	RI	06/30/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
US Navy Reserve	5109	8.2 W	6735 North Basin Avenue	Jim Orr	Agreement Not Established	RI/SCE	07/29/10	Overland Transport/Sheet Flow	Not Started	Not Started	Unknown Waiting for Navy Funding	Unknown	p Med	p Med	Waiting on SCE to be completed.									
US Navy Reserve	5109	8.2 W	6735 North Basin Avenue	Jim Orr	Agreement Not Established	RI/SCE	07/29/10	Bank Erosion	Not Started	Not Started	Unknown Waiting for Navy Funding	Unknown	p Med		Waiting on SCE to be completed.									
US Navy Reserve	5109	8.2 E	6735 North Basin Avenue	Jim Orr	Agreement Not Established	RI/SCE	07/29/10	Groundwater	Not Started	Not Started	Unknown Waiting for Navy Funding	Unknown	p Med		Waiting on SCE to be completed.									
US Navy Reserve	5109	8.2 E	6735 North Basin Avenue	Jim Orr	Agreement Not Established	RI/SCE	07/29/10	Stormwater	Not Started	Not Started	Unknown Waiting for Navy Funding	Unknown	p Med		Waiting on SCE to be completed.									
US Navy Reserve	5109	8.2 E	6735 North Basin Avenue	Jim Orr	Agreement Not Established	RI/SCE	07/29/10	Overwater Activities	Not Started	Not Started	Unknown Waiting for Navy Funding	Unknown	p Med		Waiting on SCE to be completed.									

Table 1: DEQ Milestone Report
Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

Confirmed or suspected sources of contamination to the river								Source Control Evaluation (SCE)							Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)									
Site information					Project status																			
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
												Pathway determination	Pathway priority level	Site priority level										
US Navy Reserve	5109	8.2 E	6735 Norh Basin Avenue	Jim Orr	Agreement Not Established	RI/SCE	07/29/10	Other	Not Started	Not Started	Unknown Waiting for Navy Funding	Unknown	p Med		Waiting on SCE to be completed.									
USCG	1338	8.2 E	6767 N Basin Ave.	Shawn Rapp	VCP Letter Agr (2/04)	RI	07/01/10	Overland Transport/Sheet Flow	Ongoing		4th Quarter 2010	Insignificant pathway; no actions recommended	p Low	p Med	Waiting on SCE to be completed.									
USCG	1338	8.2 E	6767 N Basin Ave.	Shawn Rapp	VCP Letter Agr (2/04)	RI	07/01/10	Bank Erosion	Ongoing		4th Quarter 2010	Insignificant pathway; no actions recommended	p Low		Waiting on SCE to be completed.									
USCG	1338	8.2 E	6767 N Basin Ave.	Shawn Rapp	VCP Letter Agr (2/04)	RI	07/01/10	Groundwater	Ongoing		4th Quarter 2010	Insignificant pathway; no actions recommended	p Low		Waiting on SCE to be completed.									
USCG	1338	8.2 E	6767 N Basin Ave.	Shawn Rapp	VCP Letter Agr (2/04)	RI	07/01/10	Stormwater	Ongoing	Sampling stormwater system	4th Quarter 2010	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed.									
USCG	1338	8.2 E	6767 N Basin Ave.	Shawn Rapp	VCP Letter Agr (2/04)	RI	07/01/10	Overwater Activities	Ongoing		4th Quarter 2010	No known current sources (spills will be reported to OERS)	Low		Waiting on SCE to be completed.									
USCG	1338	8.2 E	6767 N Basin Ave.	Shawn Rapp	VCP Letter Agr (2/04)	RI	07/01/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Kittridge	2442	8.3 W	4959 NW Front	Matt McClincy	PH Letter Agr for XPA (9/00)	NFA	03/13/06	Overland Transport/Sheet Flow	Completed			Insignificant pathway; no actions recommended	Low	Low	EPA reviewed and commented 8/2002		No SCM needed							
Kittridge	2442	8.3 W	4959 NW Front	Matt McClincy	PH Letter Agr for XPA (9/00)	NFA	03/13/06	Bank Erosion	N/A			N/A	none		EPA reviewed and commented 8/2002		No SCM needed							
Kittridge	2442	8.3 W	4959 NW Front	Matt McClincy	PH Letter Agr for XPA (9/00)	NFA	03/13/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented 8/2002		No SCM needed							
Kittridge	2442	8.3 W	4959 NW Front	Matt McClincy	PH Letter Agr for XPA (9/00)	NFA	03/13/06	Stormwater	Completed			Insignificant pathway	Low		EPA reviewed and commented 8/2002		No SCM needed							
Kittridge	2442	8.3 W	4959 NW Front	Matt McClincy	PH Letter Agr for XPA (9/00)	NFA	03/13/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Kittridge	2442	8.3 W	4959 NW Front	Matt McClincy	PH Letter Agr for XPA (9/00)	NFA	03/13/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fred Devine	2365	8.3 E	6211 N Ensign	Karen Tarnow	VCP Letter Agreement 11/06	XPA	07/27/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	No known current sources (spills will be reported to OERS)	none	p Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fred Devine	2365	8.3 E	6211 N Ensign	Karen Tarnow	VCP Letter Agreement 11/06	XPA	07/27/10	Bank Erosion	N/A	N/A	No current schedule.	No known current sources (spills will be reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fred Devine	2365	8.3 E	6211 N Ensign	Karen Tarnow	VCP Letter Agreement 11/06	XPA	07/27/10	Groundwater	N/A	N/A	No current schedule.	No known current sources (spills will be reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fred Devine	2365	8.3 E	6211 N Ensign	Karen Tarnow	VCP Letter Agreement 11/06	XPA	07/27/10	Stormwater	Ongoing	Complete stormwater system characterization	4th Qtr 2010	to be determined	p Low		Waiting on SCE to be completed.			BMPs such as catch basin inserts, inspection and catch basin cleanout on periodic basis						
Fred Devine	2365	8.3 E	6211 N Ensign	Karen Tarnow	VCP Letter Agreement 11/06	XPA	07/27/10	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fred Devine	2365	8.3 E	6211 N Ensign	Karen Tarnow	VCP Letter Agreement 11/06	XPA	07/27/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Freightliner Truck Plant	2366	8.3 E	6936 N Fathom	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/30/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	p Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Freightliner Truck Plant	2366	8.3 E	6936 N Fathom	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/30/10	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Freightliner Truck Plant	2366	8.3 E	6936 N Fathom	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/30/10	Groundwater	Ongoing	determine nature and extent of VOC plume	4th Qtr 2010	Waiting on SCE/RI report to be completed	p Low		Waiting on SCE/RI to be completed.									
Freightliner Truck Plant	2366	8.3 E	6936 N Fathom	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/30/10	Stormwater	Ongoing	SW evaluation started 07"	1st Qtr 2011	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed.		RP voluntarily applying SW engineering controls on Ensign Street Outfall; coating metal roof; stormwater system sediment cleanout 06-07" prior to completing screening							
Freightliner Truck Plant	2366	8.3 E	6936 N Fathom	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/30/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Freightliner Truck Plant	2366	8.3 E	6936 N Fathom	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/30/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 1: DEQ Milestone Report
Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

Confirmed or suspected sources of contamination to the river								Source Control Evaluation (SCE)							Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)									
Site information					Project status																			
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
												Pathway determination	Pathway priority level	Site priority level										
Lakeside Industries	2372	8.4 W	4850 NW Front	Jim Orr	PH Letter Agr for XPA (3/02)	XPA	07/11/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	p Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lakeside Industries	2372	8.4 W	4850 NW Front	Jim Orr	PH Letter Agr for XPA (3/02)	XPA	07/01/10	Bank Erosion	Ongoing	Prepare SCE report	To be determined	Insignificant pathway; no actions recommended	p Low		Waiting on SCE completion									
Lakeside Industries	2372	8.4 W	4850 NW Front	Jim Orr	PH Letter Agr for XPA (3/02)	XPA	07/01/10	Groundwater	Ongoing	Prepare SCE report	To be determined	Waiting on SCE to be completed	p Low		Waiting on SCE completion	UIC closures in 2003								
Lakeside Industries	2372	8.4 W	4850 NW Front	Jim Orr	PH Letter Agr for XPA (3/02)	XPA	07/01/10	Stormwater	Ongoing	Initiate stormwater evaluation	To be determined	Waiting on SCE to be completed	to be determined		Waiting on SCE completion	Interim SCM: stormwater UICs								
Lakeside Industries	2372	8.4 W	4850 NW Front	Jim Orr	PH Letter Agr for XPA (3/02)	XPA	07/01/10	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lakeside Industries	2372	8.4 W	4850 NW Front	Jim Orr	PH Letter Agr for XPA (3/02)	XPA	07/01/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Shaver Transportation	2377	8.4 W	4900 NW Front	Mark Pugh	PH Letter Agr for XPA (3/01)	NFA	03/03/06	Overland Transport/Sheet Flow	Completed			Insignificant pathway; no actions recommended	Low	Low	EPA reviewed and commented, 8/2002		No SCM needed							
Shaver Transportation	2377	8.4 W	4900 NW Front	Mark Pugh	PH Letter Agr for XPA (3/01)	NFA	03/03/06	Bank Erosion	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented, 8/2002		No SCM needed							
Shaver Transportation	2377	8.4 W	4900 NW Front	Mark Pugh	PH Letter Agr for XPA (3/01)	NFA	03/03/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented, 8/2002		No SCM needed							
Shaver Transportation	2377	8.4 W	4900 NW Front	Mark Pugh	PH Letter Agr for XPA (3/01)	NFA	03/03/06	Stormwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented, 8/2002		No SCM needed							
Shaver Transportation	2377	8.4 W	4900 NW Front	Mark Pugh	PH Letter Agr for XPA (3/01)	NFA	03/03/06	Overwater Activities	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented, 8/2002		No SCM needed							
Shaver Transportation	2377	8.4 W	4900 NW Front	Mark Pugh	PH Letter Agr for XPA (3/01)	NFA	03/03/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Portland Shipyard (Vigor Industrial Portland)	271	8.4 E	Swan Island	Dave Lacey	Voluntary Agreement (6/06)	XPA	6/21/2010	Overland Transport/Sheet Flow	To be evaluated by Port of Portland.	N/A	N/A	N/A	N/A	p Med	N/A									
Portland Shipyard (Vigor Industrial Portland)	271	8.4 E	Swan Island	Dave Lacey	Voluntary Agreement (6/06)	XPA	6/21/2010	Bank Erosion	To be evaluated by Port of Portland.	N/A	N/A	N/A	N/A		N/A									
Portland Shipyard (Vigor Industrial Portland)	271	8.4 E	Swan Island	Dave Lacey	Voluntary Agreement (6/06)	XPA	6/21/2010	Groundwater	To be evaluated by Port of Portland.	N/A	N/A	N/A	N/A		N/A									
Portland Shipyard (Vigor Industrial Portland)	271	8.4 E	Swan Island	Dave Lacey	Voluntary Agreement (6/06)	XPA	6/21/2010	Stormwater	Ongoing	Draft SCE in review	4th Qtr 2010	Complete	p Med		Waiting on SCE to be completed.									
Portland Shipyard (Vigor Industrial Portland)	271	8.4 E	Swan Island	Dave Lacey	Voluntary Agreement (6/06)	XPA	6/21/2010	Overwater Activities	Ongoing	Draft SCE Submitted 4/10 in review	4th Qtr 2010	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed.									
Portland Shipyard (Vigor Industrial Portland)	271	8.4 E	Swan Island	Dave Lacey	Voluntary Agreement (6/06)	XPA	6/21/2010	Other	N/A	N/A	N/A	N/A	N/A		N/A									
Portland Shipyard (Port of Portland)	271	8.4 E	Swan Island	Dave Lacey	Voluntary Agreement (6/06)	RI	12/21/09	Overland Transport/Sheet Flow	Ongoing	OU-1 SCE in prepartaion, OU-2 SCE draft submitted 4/10, OU-3 SCE draft submitted 4/10	4th Qtr 2010	Waiting on SCE to be completed	p Med	p Med	Waiting on SCE to be completed									
Portland Shipyard (Port of Portland)	271	8.4 E	Swan Island	Dave Lacey	Voluntary Agreement (6/06)	RI	12/21/09	Bank Erosion	Ongoing	OU-1 SCE in prepartaion, OU-2 SCE draft submitted 4/10, OU-3 SCE draft submitted 4/10	4th Qtr 2010	Waiting on SCE to be completed	p Med		Waiting on SCE to be complet									
Portland Shipyard (Port of Portland)	271	8.4 E	Swan Island	Dave Lacey	Voluntary Agreement (6/06)	RI	12/21/09	Groundwater	Ongoing	OU-1 SCE in prepartaion, OU-2 SCE draft submitted 4/10, OU-3 SCE draft submitted 4/10	4th Qtr 2010	Waiting on SCE to be completed	p Med		Waiting on SCE to be complet									
Portland Shipyard (Port of Portland)	271	8.4 E	Swan Island	Dave Lacey	Voluntary Agreement (6/06)	RI	12/21/09	Stormwater	Ongoing	OU-2 SCE draft submitted 4/10, OU-3 SCE draft submitted on 4/10	4th Qtr 2010	Waiting on SCE to be completed	p Med		Waiting on SCE to be complete									
Portland Shipyard (Port of Portland)	271	8.4 E	Swan Island	Dave Lacey	Voluntary Agreement (6/06)	RI	12/21/09	Overwater Activities	Ongoing	N/A	N/A	N/A	N/A		N/A									
Mt Hood Chemicals	81	8.5 W	4444 NW Yeon	Jim Orr	Agreement for Stormwater Assessment & Source Control	RI/SCE	07/29/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mt Hood Chemicals	81	8.5W	4444 NW Yeon	Jim Orr	Agreement for Stormwater Assessment & Source Control	RI/SCE	07/29/10	Bank Erosion	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mt Hood Chemicals	81	8.5W	4444 NW Yeon	Jim Orr	Agreement for Stormwater Assessment & Source Control	RI/SCE	07/29/10	Groundwater	Ongoing	Compliance Monitoring of groundwater and sub slab vapors. Treatment of groundwater by Hydrogen Release Compound and Vapor extraction.	4th Qtr 2011	Waiting on SCE to be completed	p Low	p Low	Waiting on SCE to be completed		Operating insitu groundwater VOC treatment HRC and vapor extraction system		Operating insitu groundwater VOC treatment HRC and vapor extraction system December 2010		SCM Complete	December 2010	Schedule for completing final evaluation report: December 2010	periodic inspection and maintenance

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Site information				Project status																				
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
												Pathway determination	Pathway priority level	Site priority level										
Mt Hood Chemicals	81	8.5W	4444 NW Yeon	Jim Orr	Agreement for Stormwater Assessment & Source Control	RI/SCE	07/29/10	Stormwater	Ongoing	SCE Work Plan and implementation	4th Qtr 2011	Waiting on SCE to be completed	p Low	p Low	Waiting on SCE to be completed									
Mt Hood Chemicals	81	8.5W	4444 NW Yeon	Jim Orr	Agreement for Stormwater Assessment & Source Control	RI/SCE	07/29/10	Overwater Activities	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mt Hood Chemicals	81	8.5W	4444 NW Yeon	Jim Orr	Agreement for Stormwater Assessment & Source Control	RI/SCE	07/29/10	Other	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PGE Forest Park	2406	8.5 W	4400 Block Street	Karen Tarnow	1999 ICP Agreement	NFA	07/27/10	Overland Transport/Sheet Flow	Completed	N/A	N/A	N/A	none	Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PGE Forest Park	2406	8.5 W	4400 Block Street	Karen Tarnow	1999 ICP Agreement	NFA	07/27/10	Bank Erosion	Completed	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PGE Forest Park	2406	8.5 W	4400 Block Street	Karen Tarnow	1999 ICP Agreement	NFA	07/27/10	Groundwater	Completed	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PGE Forest Park	2406	8.5 W	4400 Block Street	Karen Tarnow	PPA	SCE	07/27/10	Stormwater	Ongoing	None		Complete	Low		SCD document needs to be prepared by DEQ schedule TBD		PPA with City of Portland requires ongoing erosion control pending site development							
PGE Forest Park	2406	8.5 W	4400 Block Street	Karen Tarnow	1999 ICP Agreement	N/A	07/27/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PGE Forest Park	2406	8.5 W	4400 Block Street	Karen Tarnow	1999 ICP Agreement	N/A	07/27/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PGE Forest Park	2406	8.5 W	4400 Block Street	Karen Tarnow	1999 ICP Agreement	N/A	07/27/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Calbag Metals	2454	8.5 W	4927 NW Front	Tom Gainer	PH Letter Agr for XPA (1/01)	XPA	03/06/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	Medium	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Calbag Metals	2454	8.5 W	4927 NW Front	Tom Gainer	PH Letter Agr for XPA (1/01)	XPA	03/06/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Calbag Metals	2454	8.5 W	4927 NW Front	Tom Gainer	PH Letter Agr for XPA (1/01)	XPA	03/06/06	Groundwater	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Calbag Metals	2454	8.5 W	4927 NW Front	Tom Gainer	PH Letter Agr for XPA (1/01)	XPA	08/02/10	Stormwater	Completed			Pathway is complete	Medium		EPA reviewed and commented on preliminary SCD, 6/2004	alternatives evaluation completed, submitted to EPA 9/2005	stormwater catch basin in-line cleanout, stormwater BMPs, monitoring	SCM SCD finalized 11/2005, EPA commented	stormwater catch basin in-line cleanout, stormwater BMPs, monitoring	New data resulted in DEQ reopening project and reviewing the adequacy of the 2005 source control action. Re-evaluate stormwater solids fall 2010		EPA reviewed and commented 11/2005		
Calbag Metals	2454	8.5 W	4927 NW Front	Tom Gainer	PH Letter Agr for XPA (1/01)	XPA	03/06/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Calbag Metals	2454	8.5 W	4927 NW Front	Tom Gainer	PH Letter Agr for XPA (1/01)	XPA	03/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Calbag Metals	2454	8.5 W	4927 NW Front	Tom Gainer	PH Letter Agr for XPA (1/01)	XPA	03/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Texaco Product Pipeline	2117	8.7 W	4500 Block Front Ave.	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	08/09/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	p Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Texaco Product Pipeline	2117	8.7 W	4500 Block Front Ave.	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	08/09/10	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Texaco Product Pipeline	2117	8.7 W	4500 Block Front Ave.	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	08/09/10	Groundwater	Ongoing	Review of Guilds Lake Rail Yard data and Gunderson data	4th quarter 2010	Waiting on SCE to be completed	p Low		Waiting for SCE to be completed.									
Texaco Product Pipeline	2117	8.7 W	4500 Block Front Ave.	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	08/09/10	Stormwater	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Texaco Product Pipeline	2117	8.7 W	4500 Block Front Ave.	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	08/09/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Texaco Product Pipeline	2117	8.7 W	4500 Block Front Ave.	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	08/09/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Texaco Product Pipeline	2117	8.7 W	4500 Block Front Ave.	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	08/09/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Container Recovery	4015	8.8 W	3900 NW Yeon	Karen Tarnow	Pre-PH VCP Letter Agr for RI/FS	conditional NFA 2004	11/04/09	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Container Recovery	4015	8.8 W	3900 NW Yeon	Karen Tarnow	Pre-PH VCP Letter Agr for RI/FS	conditional NFA 2004	11/04/09	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Container Recovery	4015	8.8 W	3900 NW Yeon	Karen Tarnow	Pre-PH VCP Letter Agr for RI/FS	conditional NFA 2004	11/04/09	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		N/A	No SCM needed								
Container Recovery	4015	8.8 W	3900 NW Yeon	Karen Tarnow	None	conditional NFA 2004	11/04/09	Stormwater	Deferred	Stormwater characterization	No current schedule.	Waiting on SCE to be completed	to be determined		Waiting on SCE completion									
Container Recovery	4015	8.8 W	3900 NW Yeon	Karen Tarnow	Pre-PH VCP Letter Agr for RI/FS	conditional NFA 2004	11/04/09	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Container Recovery	4015	8.8 W	3900 NW Yeon	Karen Tarnow	Pre-PH VCP Letter Agr for RI/FS	conditional NFA 2004	11/04/09	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Container Recovery	4015	8.8 W	3900 NW Yeon	Karen Tarnow	Pre-PH VCP Letter Agr for RI/FS	conditional NFA 2004	11/04/09	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Christensen Oil	2426	8.9 W	3821 NW St Helens	Shawn Rapp	VCP Letter Agr for PA (8/00)	XPA	07/27/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Christensen Oil	2426	8.9 W	3821 NW St Helens	Shawn Rapp	VCP Letter Agr for PA (8/00)	XPA	07/27/10	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Site information					Project status																			
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
												Pathway determination	Pathway priority level	Site priority level										
Christensen Oil	2426	8.9 W	3821 NW St Helens	Shawn Rapp	VCP Letter Agr for PA (8/00)	XPA	07/27/10	Groundwater	Ongoing	Part of Stormwater Assessment	3rd Qtr 2011	to be determined	to be determined	p Med	Waiting on SCE to be completed;		Product recovery from groundwater - dual phase extraction							
Christensen Oil	2426	8.9 W	3821 NW St Helens	Shawn Rapp	VCP Letter Agr for PA (8/00)	XPA	07/27/10	Stormwater	Ongoing	Storm water sampling per JSCS and evaluation of groundwater preferential flow to storm sewer	3rd Qtr 2011	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed;	N/A	Storm water BMPs and filtering catch basin sediment	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Christensen Oil	2426	8.9 W	3821 NW St Helens	Shawn Rapp	VCP Letter Agr for PA (8/00)	XPA	07/27/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Christensen Oil	2426	8.9 W	3821 NW St Helens	Shawn Rapp	VCP Letter Agr for PA (8/00)	XPA	07/27/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Texaco Terminal	169	8.9 W	3800 NW St Helens	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	08/09/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	p Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Texaco Terminal	169	8.9 W	3800 NW St Helens	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	08/09/10	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Texaco Terminal	169	8.9 W	3800 NW St Helens	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	08/09/10	Groundwater	Ongoing	2nd Quarter 2011	2nd Quarter 2011	Waiting on SCE to be completed	p Low		Waiting for SCE to be completed.									
Texaco Terminal	169	8.9 W	3800 NW St Helens	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	08/09/10	Stormwater	Ongoing	Evaluating groundwater infiltration to storm sewer system	2nd Quarter 2011	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed									
Texaco Terminal	169	8.9 W	3800 NW St Helens	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	08/09/10	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Texaco Terminal	169	8.9 W	3800 NW St Helens	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	08/09/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Vanwater and Rogers (Univar)	330	9 W	3950 NW Yeon Ave	EPA lead; Holly Arrigoni	RCRA Coreective Action Order	Corrective Measures Implement ation	08/05/10	Overland Transport/Sheet Flow	N/A	NA	NA	NA	None	to be determin ed	N/A									
Vanwater and Rogers (Univar)	330	9 W	3950 NW Yeon Ave	EPA lead; Holly Arrigoni	RCRA Corrective Action Order	Corrective Measures Implement ation	08/05/10	Bank Erosion	N/A	NA	NA	NA	None		N/A									
Vanwater and Rogers (Univar)	330	9 W	3950 NW Yeon Ave	EPA lead; Holly Arrigoni	RCRA Corrective Action Order	Corrective Measures Implement ation	08/05/10	Groundwater	Completed			Groundwater under control			NA	Corrective Measures Study Completed 4/21/06	Soil Vapor Extraction and Groundwater Pump and Treat	Completed	Soil Vapor Extraction and Groundwater Pump and Treat	468,000 lbs	Optimization of SVE and Groundwater Extraction Systems/2008 through 2010		EPA notes that the discovery of NAPL warrants a re-evaluation fo the remedy - schedule for this is in development	Ongoing maintenance of SVE wells, extraction wells and treatment system
Vanwater and Rogers (Univar)	330	9 W	3950 NW Yeon Ave	EPA lead; Holly Arrigoni	RCRA Corrective Action Order	Corrective Measures Implement ation	08/05/10	Stormwater	Ongoing	Stormwaeer Pathway Evaluation	1st Quarter 2011	Waiting on SCE to be completed			NA	Planned for 2nd Quarter 2011								
Vanwater and Rogers (Univar)	330	9 W	3950 NW Yeon Ave	EPA lead; Holly Arrigoni	RCRA Corrective Action Order	Corrective Measures Implement ation	08/05/10	Overwater Activities	N/A	NA	NA	NA	None		NA									
Vanwater and Rogers (Univar)	330	9 W	3950 NW Yeon Ave	EPA lead; Holly Arrigoni	RCRA Corrective Action Order	Corrective Measures Implement ation	08/05/10	Other																
Guilds Lake RR Yard	100	9.0 W	3500 NW Yeon	Jim Orr	PH Agr for RI/SCM (12/02)	RI	07/30/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	p Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guilds Lake RR Yard	100	9.0 W	3500 NW Yeon	Jim Orr	PH Agr for RI/SCM (12/02)	RI	07/30/10	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guilds Lake RR Yard	100	9.0 W	3500 NW Yeon	Jim Orr	PH Agr for RI/SCM (12/02)	RI	07/30/10	Groundwater	Ongoing	GW Investigation ongoing	3rd Qtr 2011	Waiting on SCE to be completed	p Low		Waiting on SCE to be completed									
Guilds Lake RR Yard	100	9.0 W	3500 NW Yeon	Jim Orr	PH Agr for RI/SCM (12/02)	RI	07/30/10	Stormwater	Ongoing	SW Investigation ongoing;	3rd Qtr 2011	Waiting on SCE to be completed	p Low		Waiting on SCE to be completed									
Guilds Lake RR Yard	100	9.0 W	3500 NW Yeon	Jim Orr	PH Agr for RI/SCM (12/02)	RI	07/30/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Confirmed or suspected sources of contamination to the river								Source Control Evaluation (SCE)							Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)											
Site information					Project status																					
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements		
												Pathway determination	Pathway priority level	Site priority level												
Guilds Lake RR Yard	100	9.0 W	3500 NW Yeon	Jim Orr	PH Agr for RI/SCM (12/02)	RI	07/30/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Gunderson	1155	9.0 W	4350 SW Front	Shawn Rapp	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	08/05/10	Overland Transport/Sheet Flow - Area 1	N/A	N/A, entirely paved and/or developed	N/A	N/A	none	High	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Gunderson	1155	9.0 W	4350 SW Front	Shawn Rapp	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	08/05/10	Overland Transport/Sheet Flow - Area 2	Ongoing	DEQ review of Focused Area 2 RI report & source control screening	TBD pending DEQ's review of Focused Area 2 RI report	Pathway is complete	p High		Waiting on SCE to be completed.											
Gunderson	1155	9.0 W	4350 SW Front	Shawn Rapp	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	08/05/10	Overland Transport/Sheet Flow - Area 3	Ongoing	DEQ review of Focused Area 3 RI report & source control screening	TBD pending DEQ's review of Area 3 RI report	Pathway is complete	p High		Waiting on SCE completion											
Gunderson	1155	9.0 W	4350 SW Front	Shawn Rapp	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	08/05/10	Bank Erosion - Area 1	Ongoing	Survey of erodible soils, follow-up sampling	1st Quarter 2011	Waiting on SCE to be completed	p Low		Waiting on SCE completion											
Gunderson	1155	9.0 W	4350 SW Front	Shawn Rapp	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	08/05/10	Bank Erosion - Area 2	Ongoing	Bank characterization needs to be completed.	1st Quarter 2011	Pathway is complete	High			2 FFS's drafted and rejected by DEQ for lack of data, sampling work plans and FFS revisions pending.	Final SCMs TBD. Interim SCMs being considered: excavation of soil/blastsand grit, engineered sediment/grit traps, selected area revegetation, and additional operations reviews & improvements.		Interim SCM currently includes shrouding work areas during barge welding & sandblasting.							
Gunderson	1155	9.0 W	4350 SW Front	Shawn Rapp	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	08/05/10	Bank Erosion - Area 3	Ongoing	Bank characterization needs to be completed.	1st Quarter 2011	Pathway is complete	High			Gunderson working on Area 3 FFS revisions based on Area 2 FFS comments.	Final SCMs TBD. Interim SCMs being considered include soil excavation, selected area revegetation, and engineered bank stabilization.									
Gunderson	1155	9.0 W	4350 SW Front	Shawn Rapp	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	08/05/10	Overwater Activities - Area 3	N/A	N/A	N/A	No known current sources (spills will be reported to OERS)	none			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Gunderson	1155	9.0 W	4350 SW Front	Shawn Rapp	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	08/05/10	Groundwater - Area 1	Ongoing	Complete site wide groundwater screening to update sampling program	1st Qtr 2011	Groundwater is a complete pathway, VOC plume migrating to/under river.	p Med		EPA comments received 5/03	Alternatives evaluation completed, EPA comments received 5/2003	Hydraulic containment and source removal using air-enaration/soil	SCD submitted to EPA 2/2003, EPA comments received 5/2003	P&T and AS/SVE systems installed and operating	~40 lbs. of HVOCs removed as of 7/07	Conduct SCMs effectiveness evaluation(s). Schedule TBD.		Quarterly performance monitoring and reporting			
Gunderson	1155	9.0 W	4350 SW Front	Shawn Rapp	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	08/05/10	Groundwater - Area 2	Ongoing	RI in review, also see comment for Area 1	1st Qtr 2011	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed.											
Gunderson	1155	9.0 W	4350 SW Front	Shawn Rapp	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	08/05/10	Groundwater - Area 3	Ongoing	RI in review, also see comment for Area 1	1st Qtr 2011	Pathway is complete	p Med		Waiting on SCE to be completed.											
Gunderson	1155	9.0 W	4350 SW Front	Shawn Rapp	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	08/05/10	Stormwater - Area 1	Ongoing	Review stormwater sampling plan (10/08) and catch basin sediment sampling report (01/08)	2nd Quarter 2011	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed.		Interim SCMs being evaluated		Current BMPs include catch basin filter inserts & annual clean-out of catch basins							
Gunderson	1155	9.0 W	4350 SW Front	Shawn Rapp	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	08/05/10	Stormwater - Area 2	Ongoing	Upgrade SW system around launchways - piping and treatment	2nd Quarter 2011	Pathway is complete	p High		Waiting on SCE to be completed.		Interim SCMs in design include, legacy sediment piping cleanouts		Current BMPs include catch basin filter inserts, annual clean-out of catch							
Gunderson	1155	9.0 W	4350 SW Front	Shawn Rapp	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	08/05/10	Stormwater - Area 3	Completed		2nd Quarter 2011	Pathway is complete	High			TBD pending DEQ's review of RI report and 2008/2009 storm water system sampling reports	Final SCMs TBD & interim SCMs being considered include,		Current BMPs include catch basin filter inserts, annual clean-out of catch							
Gunderson	1155	9.0 W	4350 SW Front	Shawn Rapp	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	08/05/10	Other	N/A	N/A	N/A	N/A	none			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Freightliner (Parts Mfg Plant)	115	9.2 E	5400 N Basin	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/30/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	p Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Freightliner (Parts Mfg Plant)	115	9.2 E	5400 N Basin	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/30/10	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Freightliner (Parts Mfg Plant)	115	9.2 E	5400 N Basin	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/30/10	Groundwater	Ongoing	Review draft Groundwater SCE	1st Qtr 2011	to be determined	p Low													
Freightliner (Parts Mfg Plant)	115	9.2 E	5400 N Basin	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/30/10	Stormwater	Ongoing	Additional stormwater sampling needed	1st Qtr 2011	Waiting on SCE to be completed	to be determined				RP voluntary cleanout of stormwater system prior to completing screening									
Freightliner (Parts Mfg Plant)	115	9.2 E	5400 N Basin	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/30/10	Overwater Activities	N/A	N/A	N/A	N/A	none			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

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Site information					Project status																				
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												Pathway determination	Pathway priority level	Site priority level											
Freightliner (Parts Mfg Plant)	115	9.2 E	5400 N Basin	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/30/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Container Management	4784	9.3W	3000 NW St Helens Rd	Jim Orr	Leter Agreement for Stormwater Assessment and Source Control 5/26/08	SCE	07/29/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	N/A	p Med	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Container Management	4784	9.3W	3000 NW St Helens Rd	Jim Orr	Leter Agreement for Stormwater Assessment and Source Control 5/26/08	SCE	07/29/10	Bank Erosion	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Container Management	4784	9.3W	3000 NW St Helens Rd	Jim Orr	Leter Agreement for Stormwater Assessment and Source Control 5/26/08	SCE	07/29/10	Groundwater Investigation of Dry Wells Only	Ongoing	Complete characterization	TBD	Waiting on SCE to be completed	p Low		Waiting on SCE completion										
Container Management	4784	9.3W	3000 NW St Helens Rd	Jim Orr	Leter Agreement for Stormwater Assessment and Source Control 5/26/08	SCE	07/29/10	Stormwater	Ongoing	Complete characterization	TBD	Waiting on SCE to be completed	p Med		Waiting on SCE completion										
Container Management	4787	9.3W	3000 NW St Helens Rd	Jim Orr	Leter Agreement for Stormwater Assessment and Source Control 5/26/08	SCE	07/29/10	Overwater Activities	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Container Management	4784	9.3W	3000 NW St Helens Rd	Jim Orr	Leter Agreement for Stormwater Assessment and Source Control 5/26/08	SCE	07/29/10	Other	N/A	N/A	No current schedule.	Waiting on SCE to be completed	to be determined		Waiting on SCE completion (m-y)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Columbia American Plating	29	9.3W	3003 NW 35th Ave	Mark Pugh	Consent Judgment	SCE	05/25/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	p Low	n/a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Columbia American Plating	29	9.3W	3003 NW 35th Ave	Mark Pugh	Consent Judgment	SCE	05/25/10	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Columbia American Plating	29	9.3W	3003 NW 35th Ave	Mark Pugh	Consent Judgment	SCE	05/25/10	Groundwater	Completed	N/A	N/A	Incomplete pathway	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Columbia American Plating	29	9.3W	3003 NW 35th Ave	Mark Pugh	Consent Judgment	SCE	05/25/10	Stormwater	Completed	None	SCE will be submitted with performance monitoring expected 3rd Qtr 2011	Pathway is complete	p Low		Waiting on SCE completion	Waiting on SCE completion	Line Cleanout completed and new stormwater system constructed 2010	pending SCD	Line Cleanout completed	3,740 gallons of standing water and storm line cleanout water removed; 2.50 tons in-line sediment disposed of as F-listed waste.	Performance monitoring 4th Qtr 2010 - 2nd Qtr 2011	TBD	TBD	TBD	
Columbia American Plating	29	9.3W	3003 NW 35th Ave	Mark Pugh	Consent Judgment	SCE	05/25/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Columbia American Plating	29	9.3W	3003 NW 35th Ave	Mark Pugh	Consent Judgment	SCE	05/25/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Wilhelm Trucking	69	9.3W	3250 and 3074 NW St. Helens Road	Jim Orr	Leter Agreement for Stormwater Assessment and Source Control 5/26/08	SCE	07/29/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	N/A	p Med	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Wilhelm Trucking	69	9.3W	3250 and 3074 NW St. Helens Road	Jim Orr	Leter Agreement for Stormwater Assessment and Source Control 5/26/08	SCE	07/29/10	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Wilhelm Trucking	69	9.3W	3251 and 3074 NW St. Helens Road	Jim Orr	Leter Agreement for Stormwater Assessment and Source Control 5/26/08	SCE	07/29/10	Groundwater	N/A	N/A	NA	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Wilhelm Trucking	69	9.3W	3252 and 3074 NW St. Helens Road	Jim Orr	Leter Agreement for Stormwater Assessment and Source Control 5/26/08	SCE	07/29/10	Stormwater	Ongoing	Work plan under review	4th Quarter 2010 est	to be determined	p Med		Waiting on SCE completion										
Wilhelm Trucking	69	9.3W	3253 and 3074 NW St. Helens Road	Jim Orr	Leter Agreement for Stormwater Assessment and Source Control 5/26/08	SCE	07/29/10	Overwater Activities	N/A	N/A	NA	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Wilhelm Trucking	69	9.3W	3250 and 3074 NW St. Helens Road	Jim Orr	Leter Agreement for Stormwater Assessment and Source Control 5/26/08	SCE	07/29/10	Other	N/A	N/A	N/A	N/A	N/A		N/A	NA	NA	NA	NA	NA	NA	NA	NA	N/A	
GE Decommissioning	4003	9.5 W	2727 NW 29th	Tom Gainer	PH Agr for XPA (1/04)	XPA	08/02/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
GE Decommissioning	4003	9.5 W	2727 NW 29th	Tom Gainer	PH Agr for XPA (1/04)	XPA	08/02/10	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 1: DEQ Milestone Report
Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

Confirmed or suspected sources of contamination to the river								Source Control Evaluation (SCE)							Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)										
Site information					Project status																				
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements	
												Pathway determination	Pathway priority level	Site priority level											
GE Decommissioning	4003	9.5 W	2727 NW 29th	Tom Gainer	PH Agr for XPA (1/04)	XPA	08/02/10	Groundwater	Ongoing	Review draft SCE	3rd Quarter 2011	N/A	p Low	Medium	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
GE Decommissioning	4003	9.5 W	2727 NW 29th	Tom Gainer	PH Agr for XPA (1/04)	XPA	08/02/10	Stormwater	Completed		2/06 SCE Report submitted	Pathway is complete	Medium		Done	SCM implementation report summer 2007	Removal of PCB contaminated sediment from onsite catch basins and pipes, new CBs/filters, new pipes, paving		1st qtr. 2007		11/25/08 Post-SCM monitoring completed		Continued BMPs		
GE Decommissioning	4003	9.5 W	2727 NW 29th	Tom Gainer	PH Agr for XPA (1/04)	XPA	08/02/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Galvanizers Company	1196	9.6 W	2406 NW 30th	Jim Orr	PH Agr for XPA (10/03)	XPA	07/29/10	Overland Transport/Sheet Flow	N/A	N/A, site located ~4,500 feet from river	N/A	N/A	none	p Med	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Galvanizers Company	1196	9.6 W	2406 NW 30th	Jim Orr	PH Agr for XPA (10/03)	XPA	07/29/10	Bank Erosion	N/A	N/A, site located ~4,500 feet from river	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Galvanizers Company	1196	9.6 W	2406 NW 30th	Jim Orr	PH Agr for XPA (10/03)	XPA	07/29/10	Groundwater	Ongoing	Draft SCE in review	4th Qtr 2010	Pathway is complete	p Med		Waiting on SCE to be completed.										
Galvanizers Company	1196	9.6 W	2406 NW 30th	Jim Orr	PH Agr for XPA (10/03)	XPA	07/29/10	Stormwater	Ongoing	Draft SCE in review	4th Qtr 2010	Pathway is complete	p Med		Waiting on SCE to be completed.	Stormwater RX System Installed and Operational	Collecting/reusing Main Plant canopy roof run-off in galvanizing process (5/07), repairing/sealing pavement in NE plant yard (8/07).	Sealing unused/unecessary connections to City piping (Winter 2008), site paving and pavement sealing (Summer 2008)	Stormwater RX operating January 2010		Maintenance of Stormwater RX System				
Galvanizers Company	1196	9.6 W	2406 NW 30th	Jim Orr	PH Agr for XPA (10/03)	XPA	07/29/10	Overwater Activities	N/A	N/A, site located ~4,500 feet from river	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Galvanizers Company	1196	9.6 W	2406 NW 30th	Jim Orr	PH Agr for XPA (10/03)	XPA	07/29/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paco Pumps	146	9.6 W	2551 NW 30th	Jim Anderson	ICP Agreement (01/03/07)	NFA	01/24/08	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Paco Pumps	146	9.6 W	2551 NW 30th	Jim Anderson	ICP Agreement (01/03/07)	NFA	01/24/08	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Paco Pumps	146	9.6 W	2551 NW 30th	Jim Anderson	ICP Agreement (01/03/07)	NFA	01/24/08	Groundwater	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Paco Pumps	146	9.6 W	2551 NW 30th	Jim Anderson	ICP Agreement (01/03/07)	NFA	01/24/08	Stormwater	Completed	N/A		No current pathway; legacy solids in storm lines to be investigated	Low		Waiting on SCE completion										
Paco Pumps	146	9.6 W	2551 NW 30th	Jim Anderson	ICP Agreement (01/03/07)	NFA	01/24/08	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Paco Pumps	146	9.6 W	2551 NW 30th	Jim Anderson	ICP Agreement (01/03/07)	NFA	01/24/08	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Port of Portland Terminal 2	2769	10.0 W	3556 NW Front	Tom Gainer	IGA	XPA	02/19/09	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	p Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Port of Portland Terminal 2	2769	10.0 W	3556 NW Front	Tom Gainer	IGA	XPA	02/19/09	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Port of Portland Terminal 2	2769	10.0 W	3556 NW Front	Tom Gainer	IGA	XPA	08/02/10	Groundwater	Ongoing		4th Qtr 2010	Insignificant pathway; no actions recommended	p Low		Waiting on SCE to be completed										
Port of Portland Terminal 2	2769	10.0 W	3556 NW Front	Tom Gainer	IGA	XPA	08/02/10	Stormwater	Ongoing	Evaluate stormwater system	4th Qtr 2010	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed										
Port of Portland Terminal 2	2769	10.0 W	3556 NW Front	Tom Gainer	IGA	XPA	02/19/09	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Port of Portland Terminal 2	2769	10.0 W	3556 NW Front	Tom Gainer	IGA	XPA	02/19/09	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Calbag Metals	5059	10.1 W	2495 NW Nicolli St.	Jim Orr	Letter Agreement for Source Control Assessment 2009	SCE	07/28/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Calbag Metals	5059	10.1 W	2495 NW Nicolli St.	Jim Orr	Letter Agreement for Source Control Assessment 2009	SCE	07/28/10	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Calbag Metals	5059	10.1 W	2495 NW Nicolli St.	Jim Orr	Letter Agreement for Source Control Assessment 2009	SCE	07/28/10	Groundwater	Ongoing	Two quarters of GW monitoring complete. Final report due in October 2010. No significant issues.	December 2010	Pathway is complete	none		Waiting on SCE completion (m-y)	evaluation to be part of upland FS; schedule for completing draft/final: December 2010	No SCM needed	June 2011 Tentative Date	N/A	N/A	N/A	Review Pending, SCA not submitted.	no alternatives evaluation needed		

Table 1: DEQ Milestone Report
Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

Confirmed or suspected sources of contamination to the river								Source Control Evaluation (SCE)							Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)									
Site information					Project status																			
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
												Pathway determination	Pathway priority level	Site priority level										
Calbag Metals	5059	10.1 W	2495 NW Nicoli St.	Jim Orr	Letter Agreement for Source Control Assessment 2009	SCE	07/28/10	Stormwater	Ongoing	Pilot study to evaluate surface washing of PCB contamination is complete. Focused Feasability Study in production. Most likely surface capping and SW treatment.	No current schedule.	Pathway is complete	Medium	Medium	Waiting on SCE completion (m-y)	evaluation to be part of upland FS; schedule for completing draft/final: August 2011	stormwater catch basin in-line cleanout, stormwater BMPs, asphalt and concrete surface capping/sealing, Stormwater RX System Installation, and monitoring	June 2011 Tentative Date	stormwater catch basin in-line cleanout, stormwater BMPs, monitoring		ongoing stormwater monitoring through spring 2011	August 2011	Review Pending, SCA not Submitted.	effectiveness monitoring
Calbag Metals	5059	10.1 W	2495 NW Nicoli St.	Jim Orr	Letter Agreement for Source Control Assessment 2009	SCE	07/28/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Calbag Metals	5059	10.1 W	2495 NW Nicoli St.	Jim Orr	Letter Agreement for Source Control Assessment 2009	SCE	07/28/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UPRR Albina	178	10.3 E	2745 N Interstate	Mike Romero	PH Agr for RI/SCM (3/02)	RI	06/30/10	Overland Transport/Sheet Flow	Submitted	Review document	4th Quarter 2010	SCE complete, DEQ review underway	p Low	p Low	Waiting on SCE to be completed									
UPRR Albina	178	10.3 E	2745 N Interstate	Mike Romero	PH Agr for RI/SCM (3/02)	RI	06/30/10	Bank Erosion	Submitted	Review document	4th Quarter 2010	SCE complete, DEQ review underway	p Low		Waiting on SCE to be completed									
UPRR Albina	178	10.3 E	2745 N Interstate	Mike Romero	PH Agr for RI/SCM (3/02)	RI	06/30/10	Groundwater	under revision	Review document	4th Quarter 2010	SCE complete, DEQ review underway	to be determined		Waiting on SCE to be completed									
UPRR Albina	178	10.3 E	2745 N Interstate	Mike Romero	PH Agr for RI/SCM (3/02)	RI	06/30/10	Stormwater	Submitted	Review document	4th Quarter 2010	SCE complete, DEQ review underway	to be determined		Waiting on SCE to be completed		RP cleaned out stormwater system prior to completion of							
UPRR Albina	178	10.3 E	2745 N Interstate	Mike Romero	PH Agr for RI/SCM (3/02)	RI	06/30/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UPRR Albina	178	10.3 E	2745 N Interstate	Mike Romero	PH Agr for RI/SCM (3/02)	RI	06/30/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Goldendale Aluminum	2440	10.3 E	2600 N River	Tom Gainer	PH Letter Agr for XPA (2/00)	NFA 5/2004	03/06/06	Overland Transport/Sheet Flow	Completed			Insignificant pathway; no actions recommended	Low	Low	EPA reviewed and commented 5/04		No SCM needed						N/A	
Goldendale Aluminum	2440	10.3 E	2600 N River	Tom Gainer	PH Letter Agr for XPA (2/00)	NFA 5/2004	03/06/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Goldendale Aluminum	2440	10.3 E	2600 N River	Tom Gainer	PH Letter Agr for XPA (2/00)	NFA 5/2004	03/06/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented 5/04		No SCM needed						N/A	
Goldendale Aluminum	2440	10.3 E	2600 N River	Tom Gainer	PH Letter Agr for XPA (2/00)	NFA 5/2004	03/06/06	Stormwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented 5/04		No SCM needed						N/A	
Goldendale Aluminum	2440	10.3 E	2600 N River	Tom Gainer	PH Letter Agr for XPA (2/00)	NFA 5/2004	03/06/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Goldendale Aluminum	2440	10.3 E	2600 N River	Tom Gainer	PH Letter Agr for XPA (2/00)	NFA 5/2004	03/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PGE Substation E	3976	10.4 W	2635 NW Front Ave.	Tom Gainer	VCP	NFA	12/22/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PGE Substation E	3976	10.4 W	2635 NW Front Ave.	Tom Gainer	VCP	NFA	12/22/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PGE Substation E	3976	10.4 W	2635 NW Front Ave.	Tom Gainer	VCP	NFA	12/22/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		EPA commended on SCD in 10/06	Source Control Decision and NFA issued 12/6/06								
PGE Substation E	3976	10.4 W	2635 NW Front Ave.	Tom Gainer	VCP	NFA	12/22/06	Stormwater	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 1: DEQ Milestone Report
Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

Confirmed or suspected sources of contamination to the river								Source Control Evaluation (SCE)							Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)										
Site information					Project status																				
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements	
												Pathway determination	Pathway priority level	Site priority level											
PGE Substation E	3976	10.4 W	2635 NW Front Ave.	Tom Gainer	VCP	NFA	12/22/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
PGE Substation E	3976	10.4 W	2635 NW Front Ave.	Tom Gainer	VCP	NFA	12/22/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Sulzer Pump	1235	10.4 W	2800 NW Front	Mark Pugh	Letter Agr. for XPA (9/02)	SCE	05/25/10	Overland Transport/Sheet Flow	N/A	Qualitative Assessment	N/A	N/A	none	p Med	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Sulzer Pump	1235	10.4 W	2800 NW Front	Mark Pugh	Letter Agr. for XPA (9/02)	SCE	05/25/10	Bank Erosion	Completed	None	Pending completion of storm water evaluation	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed										
Sulzer Pump	1235	10.4 W	2800 NW Front	Mark Pugh	Letter Agr. for XPA (9/02)	SCE	05/25/10	Groundwater	Ongoing	Need for additional evaluation and possible sampling	4th Quarter 2010	Waiting on SCE to be completed	p Low		Waiting on SCE to be completed										
Sulzer Pump	1235	10.4 W	2800 NW Front	Mark Pugh	Letter Agr. for XPA (9/02)	SCE	05/25/10	Stormwater	Ongoing	Complete SCE sampling and reporting	4th Quarter 2010	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed	Storm line and catch basin cleanout	Cleanout completed in Oct 2006	25 tons of sludge	twice annual cleaning of catch basins				periodic inspection and maintenance; twice annual cleanout		
Sulzer Pump	1235	10.4 W	2800 NW Front	Mark Pugh	Letter Agr. for XPA (9/02)	SCE	05/25/10	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Sulzer Pump	1235	10.4 W	2800 NW Front	Mark Pugh	Letter Agr. for XPA (9/02)	SCE	05/25/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sulzer Pump	1235	10.4 W	2800 NW Front	Mark Pugh	Letter Agr. for XPA (9/02)	SCE	05/25/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Port of Portland Terminal 1 North	3377	10.6 W	2200 NW Front	Tom Gainer	PH Agr for RI/SCM	FS	09/01/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	p Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Port of Portland Terminal 1 North	3377	10.6 W	2200 NW Front	Tom Gainer	PH Agr for RI/SCM	FS	09/01/10	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Port of Portland Terminal 1 North	3377	10.6 W	2200 NW Front	Tom Gainer	PH Agr for RI/SCM	FS	09/01/10	Groundwater	Completed			Insigificant pathway; no actions recommended	p Low		Waiting on SW SCE to be completed										
Port of Portland Terminal 1 North	3377	10.6 W	2200 NW Front	Tom Gainer	PH Agr for RI/SCM	RI	09/01/10	Stormwater	Ongoing	Complete stormwater sampling by BES	4th Qtr 2010	Waiting on SCE to be completed	p Low		Waiting on SCE to be completed										
Port of Portland Terminal 1 North	3377	10.6 W	2200 NW Front	Tom Gainer	PH Agr for RI/SCM	FS	09/01/10	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Port of Portland Terminal 1 North	3377	10.6 W	2200 NW Front	Tom Gainer	PH Agr for RI/SCM	FS	09/01/10	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Riverscape (aka Port of Portland T1S)	2642	10.9 W	2100 NW Front	Matt McClincy	RD/RA Agreement (06/06/03)	Conditional NFA 6/2003	03/13/06	Overland Transport/Sheet Flow	Completed			Insigificant pathway; no actions recommended	Low	Low	EPA did not review SCD since site was outside PH	Soil removal and management plan during development; Deed restrictions						EPA did not review SCD since site was outside PH			
Riverscape (aka Port of Portland T1S)	2642	10.9 W	2100 NW Front	Matt McClincy	RD/RA Agreement (06/06/03)	Conditional NFA 6/2003	03/13/06	Bank Erosion	Completed			Insigificant pathway; no actions recommended	Low		EPA did not review SCD since site was outside PH	No SCM needed						EPA did not review SCD since site was outside PH			
Riverscape (aka Port of Portland T1S)	2642	10.9 W	2100 NW Front	Matt McClincy	RD/RA Agreement (06/06/03)	Conditional NFA 6/2003	03/13/06	Groundwater	Completed			Insigificant pathway; no actions recommended	Low		EPA did not review SCD since site was outside PH	No SCM needed						EPA did not review SCD since site was outside PH			
Riverscape (aka Port of Portland T1S)	2642	10.9 W	2100 NW Front	Matt McClincy	RD/RA Agreement (06/06/03)	Conditional NFA 6/2003	03/13/06	Stormwater	Completed			Insigificant pathway; no actions recommended	Low		EPA did not review SCD since site was outside PH	No SCM needed						EPA did not review SCD since site was outside PH			
Riverscape (aka Port of Portland T1S)	2642	10.9 W	2100 NW Front	Matt McClincy	RD/RA Agreement (06/06/03)	Conditional NFA 6/2003	03/13/06	Overwater Activities	Completed			Insigificant pathway; no actions recommended	Low		EPA did not review SCD since site was outside PH	No SCM needed						EPA did not review SCD since site was outside PH			
Riverscape (aka Port of Portland T1S)	2642	10.9 W	2100 NW Front	Matt McClincy	RD/RA Agreement (06/06/03)	Conditional NFA 6/2003	03/13/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pacificorp	5117	11.6 E	Multiple sites in Albina Riverlots area	Dan Hafley	PH Agr for RI/SCM	XPA	07/27/10	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none												
Pacificorp	5117	11.6 E	Multiple sites in Albina Riverlots area	Dan Hafley	PH Agr for RI/SCM	XPA	07/27/10	Bank Erosion	N/A	N/A	N/A	N/A	none												
Pacificorp	5117	11.6 E	Multiple sites in Albina Riverlots area	Dan Hafley	PH Agr for RI/SCM	XPA	07/27/10	Groundwater	Ongoing	PA in progress	4th quarter 2010	Waiting on SCE to be completed	p Low												
Pacificorp	5117	11.6 E	Multiple sites in Albina Riverlots area	Dan Hafley	PH Agr for RI/SCM	XPA	07/27/10	Stormwater	Ongoing	Soil abatement and stormwater monitoing	1st Qtr 2011	Waiting on SCE to be completed	p Med				Selected soil removals in progress								

Table 1: DEQ Milestone Report
Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

Confirmed or suspected sources of contamination to the river							Source Control Evaluation (SCE)							Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)										
Site information				Project status																				
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	SCE Pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed			Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Additional Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
												Pathway determination	Pathway priority level	Site priority level										
Pacificorp	5117	11.6 E	Multiple sites in Albina Riverlots area	Dan Hafley	PH Agr for RI/SCM	XPA	07/27/10	Overwater Activities	N/A	N/A	N/A	N/A	none											